

UEC

Uranium Energy Corp

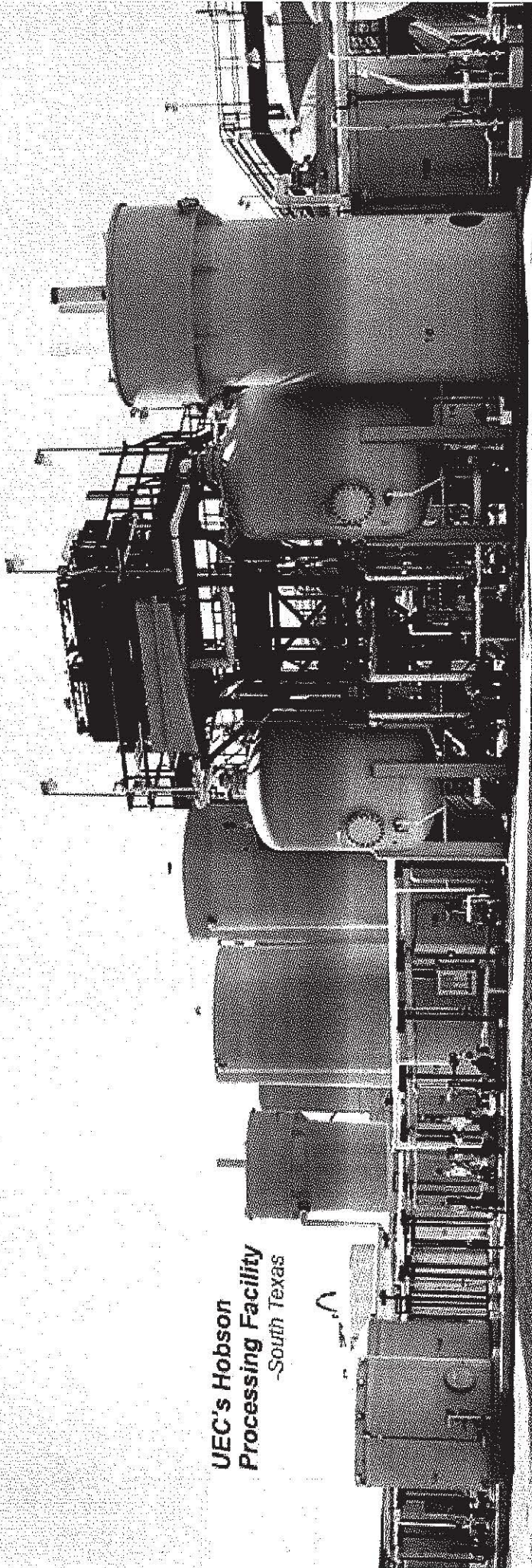
NORTH AMERICA'S NEWEST EMERGING URANIUM PRODUCER

www.uraniumenergy.com



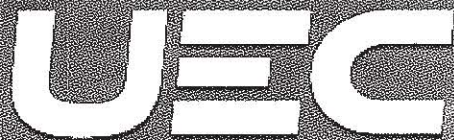
NYSE-AMEX: UEC Frankfurt: U6Z

UEC's Hobson
Processing Facility
-South Texas



DISCLAIMER

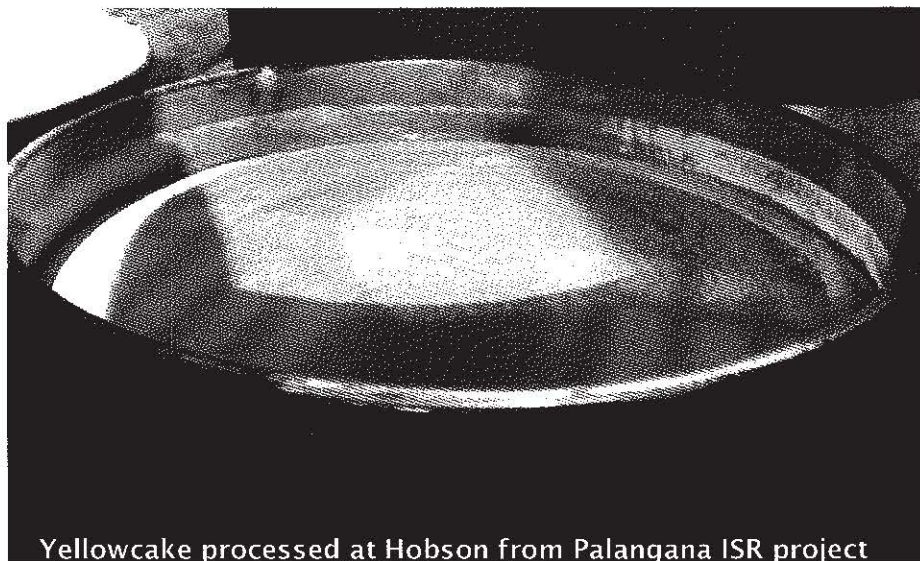
Statements contained in this presentation which are not historical facts are forward-looking statements that involve risks, uncertainties and other factors that could cause actual results to differ materially from those expressed or implied by such forward- looking statements. Factors that could cause such differences, without limiting the generality of the following, include: risks inherent in exploration activities; volatility and sensitivity to market prices for uranium; volatility and sensitivity to capital market fluctuations; the impact of exploration competition; the ability to raise funds through private or public equity financings; imprecision in resource and reserve estimates; environmental and safety risks including increased regulatory burdens; unexpected geological or hydrological conditions; a possible deterioration in political support for nuclear energy; changes in government regulations and policies, including trade laws and policies; demand for nuclear power; failure to obtain necessary permits and approvals from government authorities; weather and other natural phenomena; and other exploration, development, operating, financial market and regulatory risks. Although Uranium Energy Corp believes that the assumptions inherent in the forward-looking statements are reasonable, undue reliance should not be placed on these statements, which only apply as of the date of this release. Uranium Energy Corp. disclaims any intention or obligation to update or revise any forward-looking statement, whether as a result of new information, future event or otherwise.



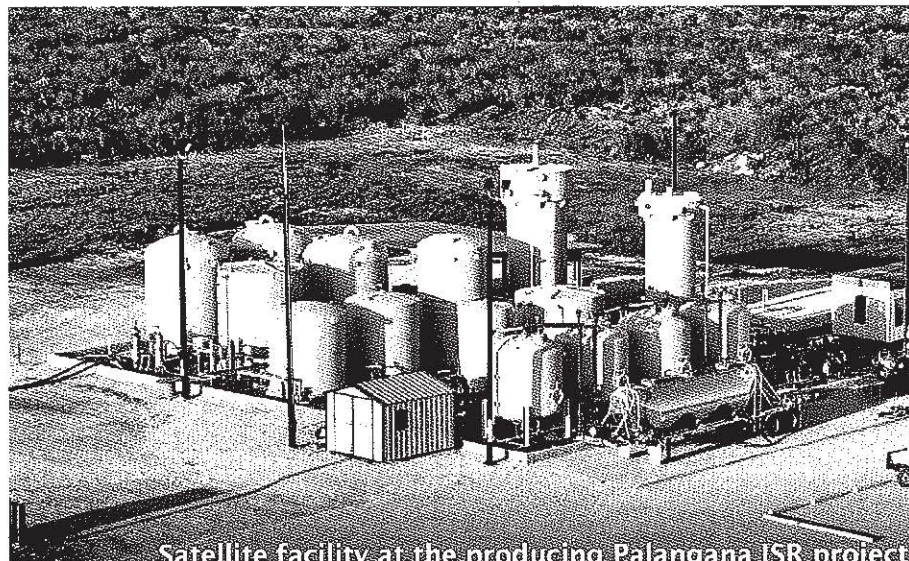
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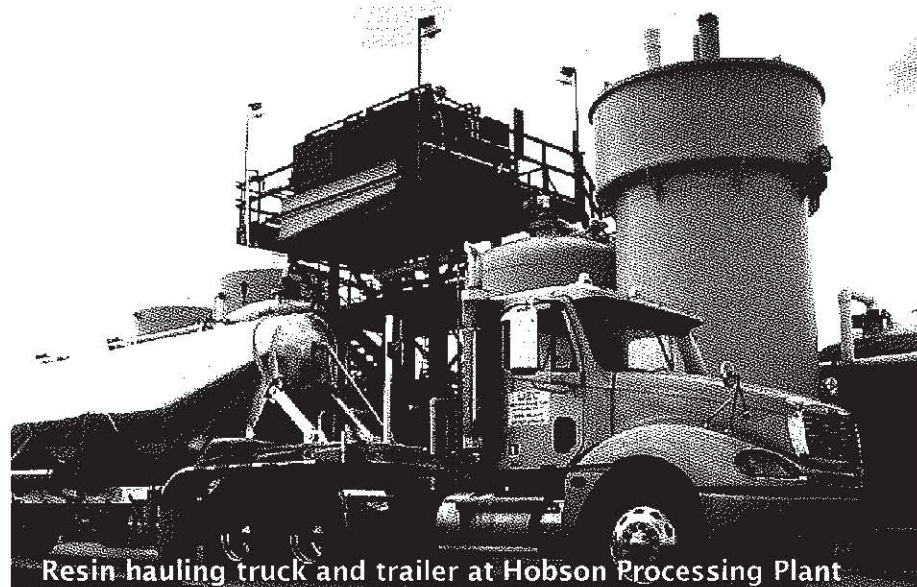


Yellowcake processed at Hobson from Palangana ISR project

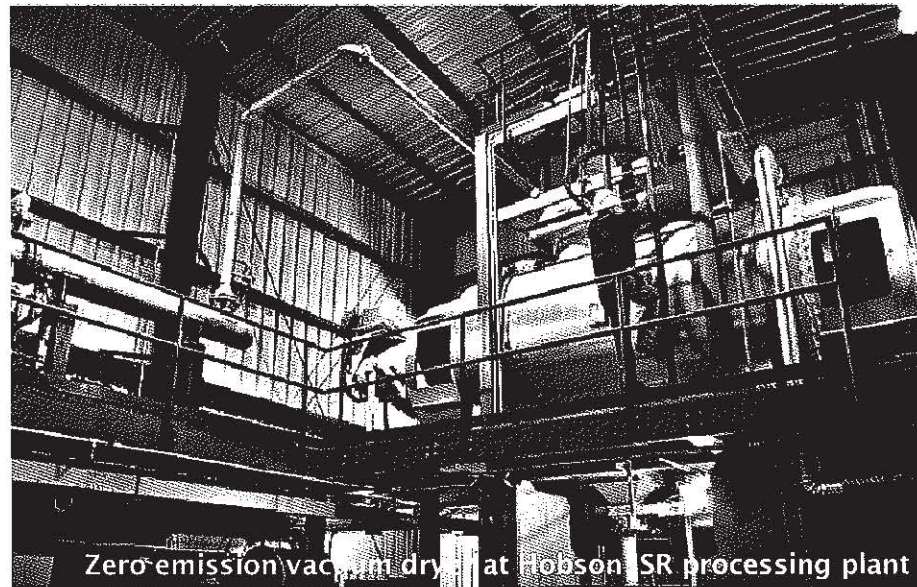


Satellite facility at the producing Palangana ISR project

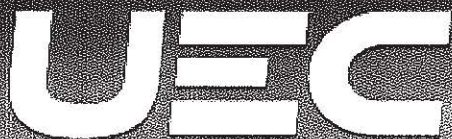
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Resin-hauling truck and trailer at Hobson Processing Plant



Zero-emission vacuum dry at Hobson SR processing plant



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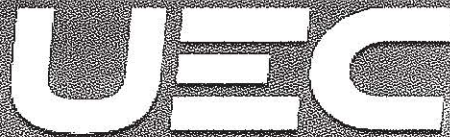
NYSE-AMEX: UEC

PRESENTATION OUTLINE

- ❖ **Uranium Energy Corp Overview**
- ❖ **Uranium Supply and Demand**
- ❖ **In-Situ Recovery (ISR) Mining**
- ❖ **Production Strategy – South Texas**
- ❖ **Featured Projects**
- ❖ **Final Thoughts**



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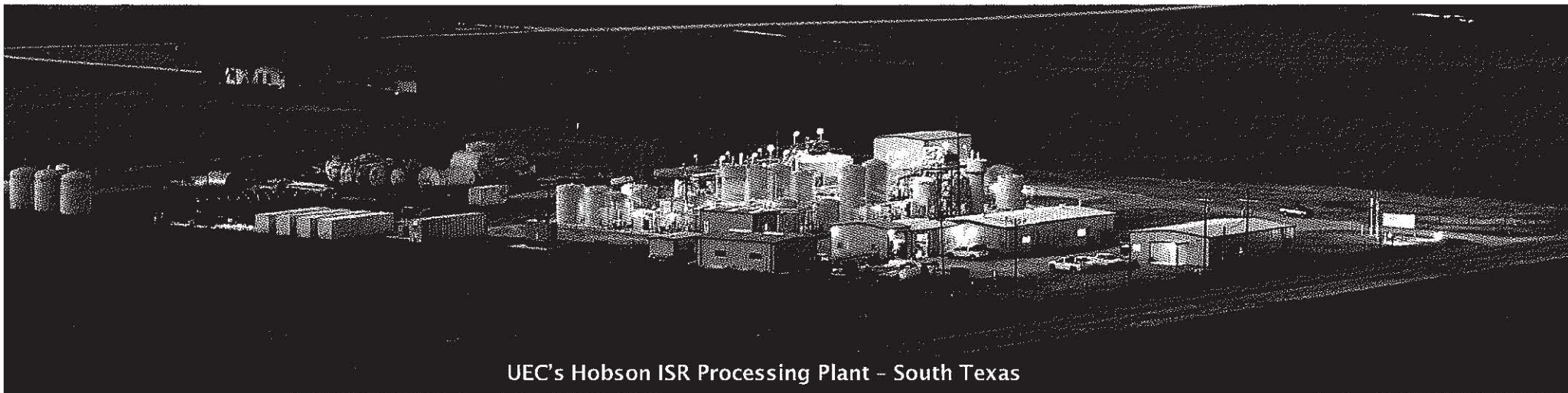
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MISSION STATEMENT:

EXPAND PRODUCTION OF URANIUM
USING LOW COST IN-SITU RECOVERY(ISR)
WHILE DEVELOPING A PIPELINE OF ADDITIONAL
SIGNIFICANT URANIUM RESOURCES FOR
ONGOING MAJOR GROWTH.

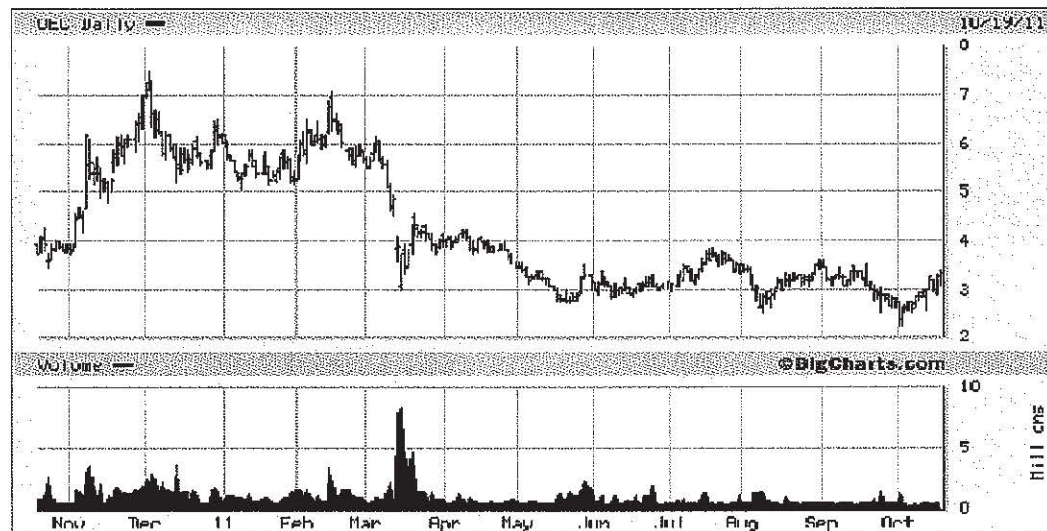


UEC's Hobson ISR Processing Plant – South Texas

URANIUM ENERGY CORP AT A GLANCE

SHARE CAPITAL & CASH POSITION (July 31, 2011)

Cash & Equivalents	\$30.7 M
Total Cash Potential	\$30.9 M
Cash Potential from Warrants	\$15.5 M
Cash Potential from Options	\$15.4 M
Debt	\$0 M
Shares Outstanding	73.5 M
Shares Fully Diluted	86.4 M
Uranium in inventory = ~153,000 lbs. U308	



WARRANTS:

~3.60 M warrants @ \$3.95

EXPIRING

Oct 2011

Russell 2000/3000 Index Member

RECENT CLOSING PRICE (10/21)

\$3.11

Market Capitalization

228 M

52-Week Range

\$2.11 - \$7.48

Average daily volume (3-mo)

605,000

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RESEARCH COVERAGE

CIBC World Markets

Dundee Securities

Haywood Securities

Global Hunter Securities

RBC Capital Markets

Jennings Capital

MAJOR SHAREHOLDERS

Management

Major Shareholders

Blackrock

Oppenheimer Funds Inc.

CIBC Global Asset

Encompass Fund

State Street Global

TOTAL

22%

30%

PALANGANA ISR PROJECT - RAMPING UP IN-SITU RECOVERY (ISR) PRODUCTION

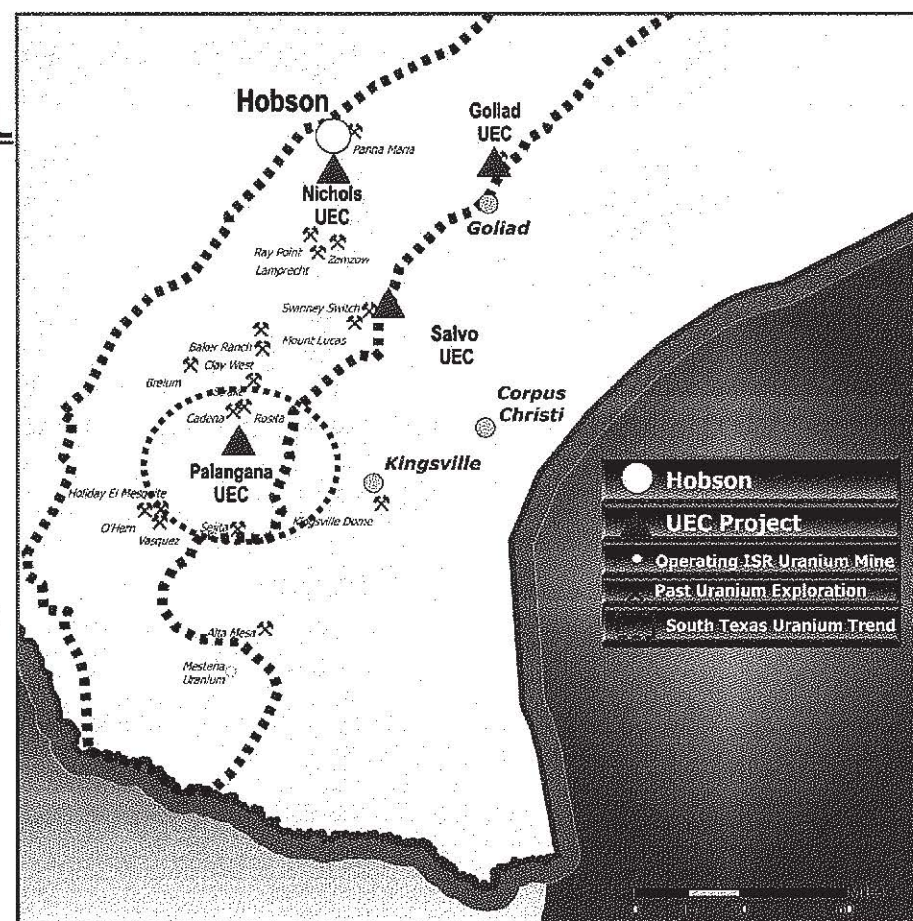
MAJOR HIGHLIGHTS REPORTED FOR THE FISCAL FOURTH QUARTER ENDED July 31, 2011:

❖ Production Increased and Costs Remain Low:

❖ 83,000 pounds of uranium concentrates were accumulated in inventory in Q4

❖ As of July 31, a total of **~153,000 lbs.** of uranium accumulated at cash operating expense of **\$13/lb. U308**

❖ Signed first multi-year contract



INVESTMENT SUMMARY

PROOF OF CONCEPT

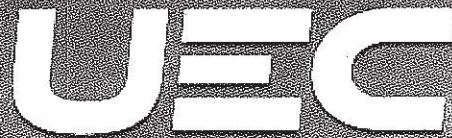
- ❖ Operating the first new ISR uranium mine in the U.S. in five years.
- ❖ As of July 2011 a total of ~153,000 lbs. of uranium accumulated in inventory

BUSINESS PLAN FOCUSED ON GROWTH

- ❖ Regional strategy in South Texas with central ISR processing plant and four ISR projects
- ❖ 100,000 meter drill program to expand 13 mm lbs. U308 resource base in South Texas
- ❖ Controls another 23 projects in the U.S. with total resources of 23mm lbs. U308
- ❖ Expanding the project portfolio with a new ISR district opportunity in Paraguay, South America

STRONG COMPANY FUNDAMENTALS

- ❖ UEC is ideally positioned with \$30.7 mm cash, no debt, 73.5mm shares outstanding



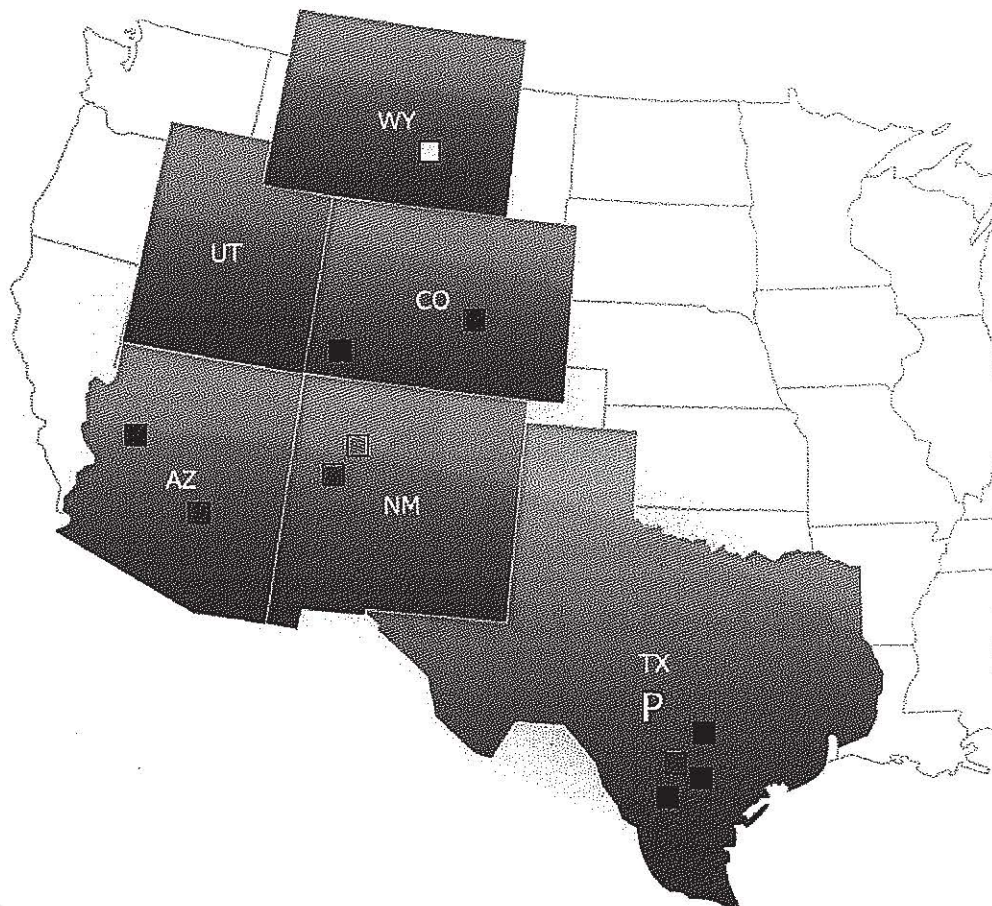
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PROJECT PIPELINE INCLUDES ISR AND CONVENTIONAL URANIUM PROJECTS ACROSS THE AMERICA'S

UEC'S U.S. PROJECT PORTFOLIO



UEC'S PARAGUAY PROJECT, SOUTH AMERICA



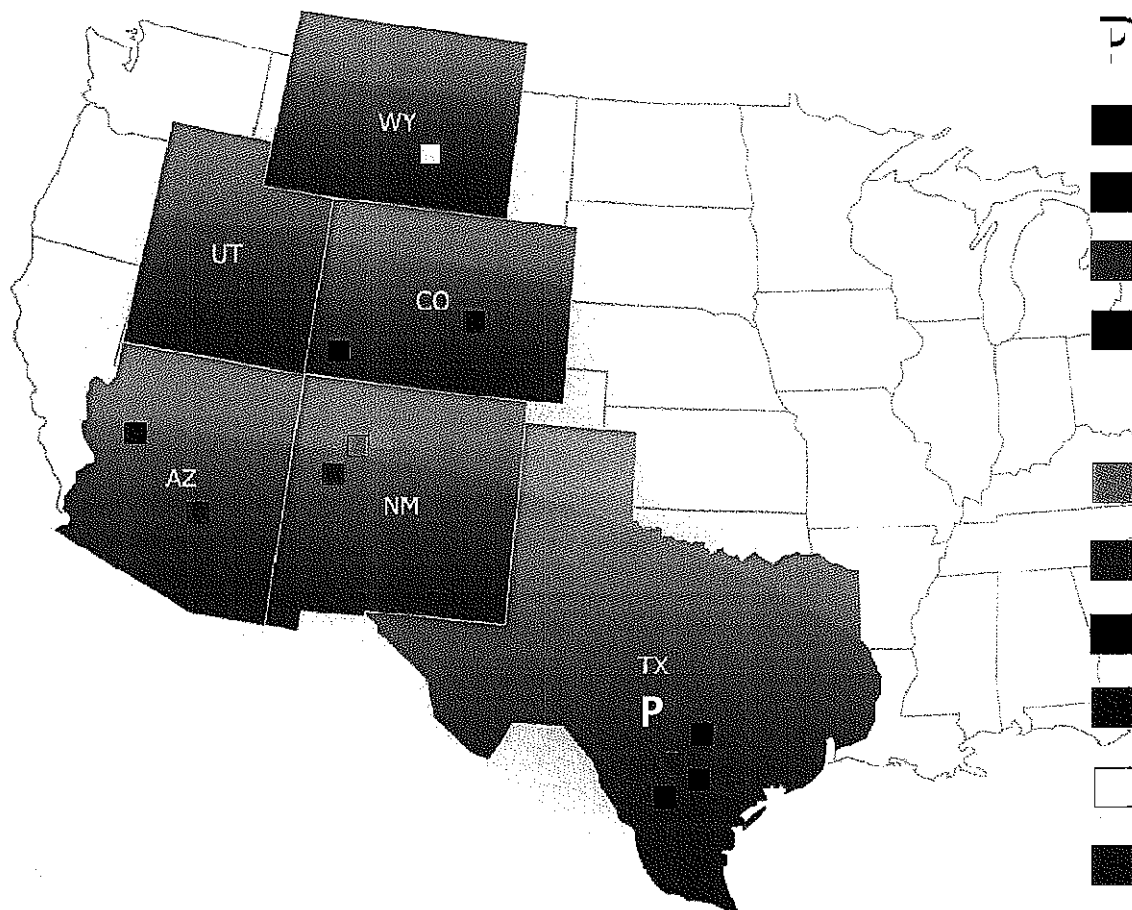


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UEC'S U.S. PROJECT PIPELINE



Note: The resources stated are historical in nature. Recent independent verification of the data has not yet been performed. The Company has not completed sufficient exploration to verify the historical resource estimates.

(1) 43-101 Technical Reports completed and available on SEDAR

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(E) Exploration (D) In Development (NT) Near Term Production (P) Producing

Project / Historic Operator	Stage	Resource MM lbs
Hobson Processing Plant / Uranium One		
Palangana / Union Carbide	(P)	2.2 ⁽¹⁾
Goliad / Moore Energy	(NT)	6.9 ⁽¹⁾
Nichols / Texaco Corp	(E)	1.3 ⁽¹⁾
Salvo/ Mobil Oil	(E)	2.8 ⁽¹⁾
Total Texas Resources		~13.2 MM Lbs
West Ranch / Kerr McGee	(E)	2.6
Los Cuatros / Teck Corp	(E)	12.0
Colorado Plateau / Urvan Minerals	(E)	3.3
Artillery Peak / Oklahoma Public Services	(E)	2.0
Burnt Wagon / Kirkwood Oil	(E)	0.5
Grants Ridge / Homestake / Anaconda Mining	(D)	0.24
Carnotite / Urvan Minerals	(E)	2.6
Total Resources		36.4 + MM Lbs



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UEC's EXPLORATION DATABASES DRIVES RESOURCE EXPANSION

UEC has been able to target properties for acquisition that have already been the subject of significant exploration and development by senior energy companies in the past.

JURISDICTION	PROVIDER	YEARS OF DATA	DRILL HOLES
US, Canada, Australia	Kerr-McGee	40	Maps, Geologic reports, Engineering feasibility analyses
Texas	Continental Oil (now Conoco Phillips)	10	250
Texas	Mobil Oil (now ExxonMobil)	20	1,000
Texas	Moore Energy	20	1,000
Texas	Knupke	40	500
Texas	Nueces Mineral Co	10	370
Wyoming	Robert Odell (Rocky Mountain Uranium Scout)	50	500
Wyoming	NAMMCO (William Kirkwood)	15	500
Wyoming	Jebsen	20	130
Arizona	Oklahoma Public Services	10	200
15 States	Brenniman	9	7,200
5 States	Halterman		500
3 States	Jebsen II	20	500

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OFFICERS AND DIRECTORS

- ❖ **Amir Adnani – President -Chief Executive Officer, Director**
An entrepreneur and founding CEO of UEC, extensive experience in financing natural resource companies
- ❖ **Harry L. Anthony – Chief Operating Officer, Director**
Internationally recognized expert in the field of ISR uranium mining
- ❖ **Mark Katsumata– Chief Financial Officer**
15 years experience as CFO and VP- Finance for mining companies, previous CFO of Denison Mines
- ❖ **Alan Lindsay – Chairman**
Over 30 years of experience in executive management in mining and biotech sectors
- ❖ **Erik Essiger – Director**
Over 18 years of international business experience, former manager at PWC in Germany
- ❖ **Ivan Obolensky – Director**
40 years experience in the investment banking business in New York as a research analyst
- ❖ **Vincent Della Volpe – Director**
38 year career as a portfolio manager, with several billions of dollars under management
- ❖ **David Kong – Director**
Decades of auditor experience and recently served as a partner of Ernst & Young LLP from 2005 to 2010.

TECHNICAL & ADVISORY TEAM



Harry Anthony
Chief Operating Officer

World-renowned ISR expert
with 40 yrs experience



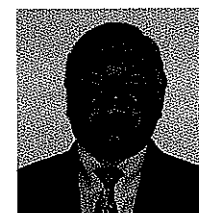
Robert Underdown
Vice President of
Production

Has held senior operational
positions at ISR uranium
mines in Texas since 1978



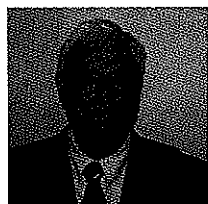
Andrew Kurrus
Exploration
Manager
Texas

30 years experience exploring
for uranium in the US



Ed Brezinski
Vice President
Marketing and Sales

25 years experience
with utility companies
and nuclear fuel traders



Bill McKnight
Production Geology
Manager

35 years experience in all
aspects of uranium extraction
operations



Curtis Sealy
Vice President of
Health, Safety and
the Environment

40 years experience
designing and constructing
mines internationally



Clyde Yancey
Vice President
of Exploration

35 years experience
exploring for uranium in
Texas and Wyoming



Dr. Aiguo Bian
Mine Development
Geologist

Formerly a professor in the
Department of Physics and
Geosciences at the Texas A&M
University



Rick Edge
Geologist

Explorationist with 15 years
experience throughout the
Rocky Mountain Region



Greg Kroll
Hobson
Superintendent

25 years experience in
wellfield operations and
uranium processing in the



Leonard Garcia
Vice President of
Land

30 years experience in title
research, lease negotiation
and land acquisition



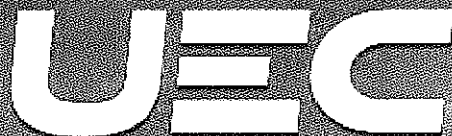
Doug Winters
Senior Chemist

25 years experience in technical project
management and environmental
monitoring

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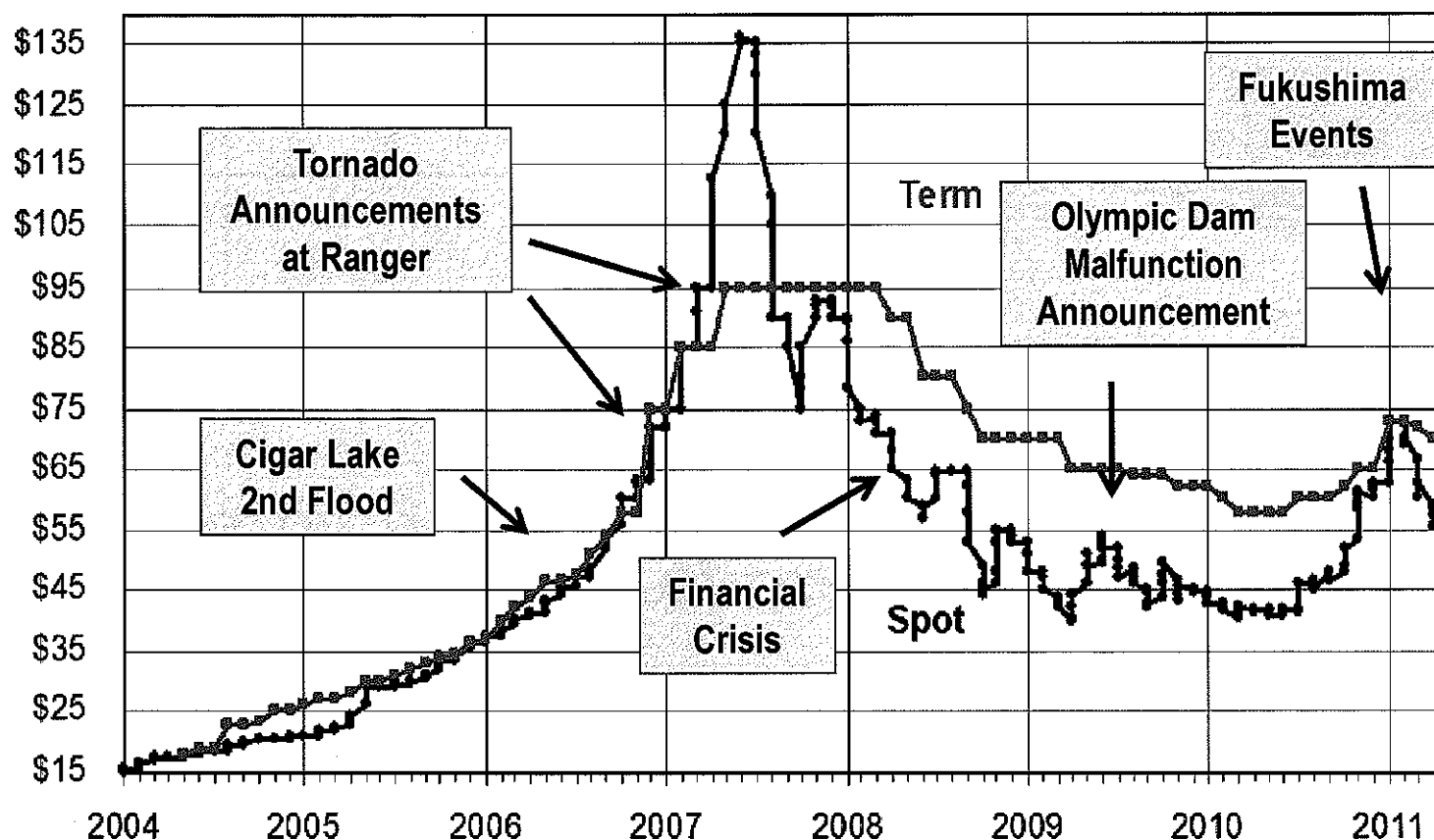
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URANIUM PRICE HISTORY

- Uranium Spot Price as of October 11th: \$52.75/lb.
- Uranium Term Price: \$64.00/lb.

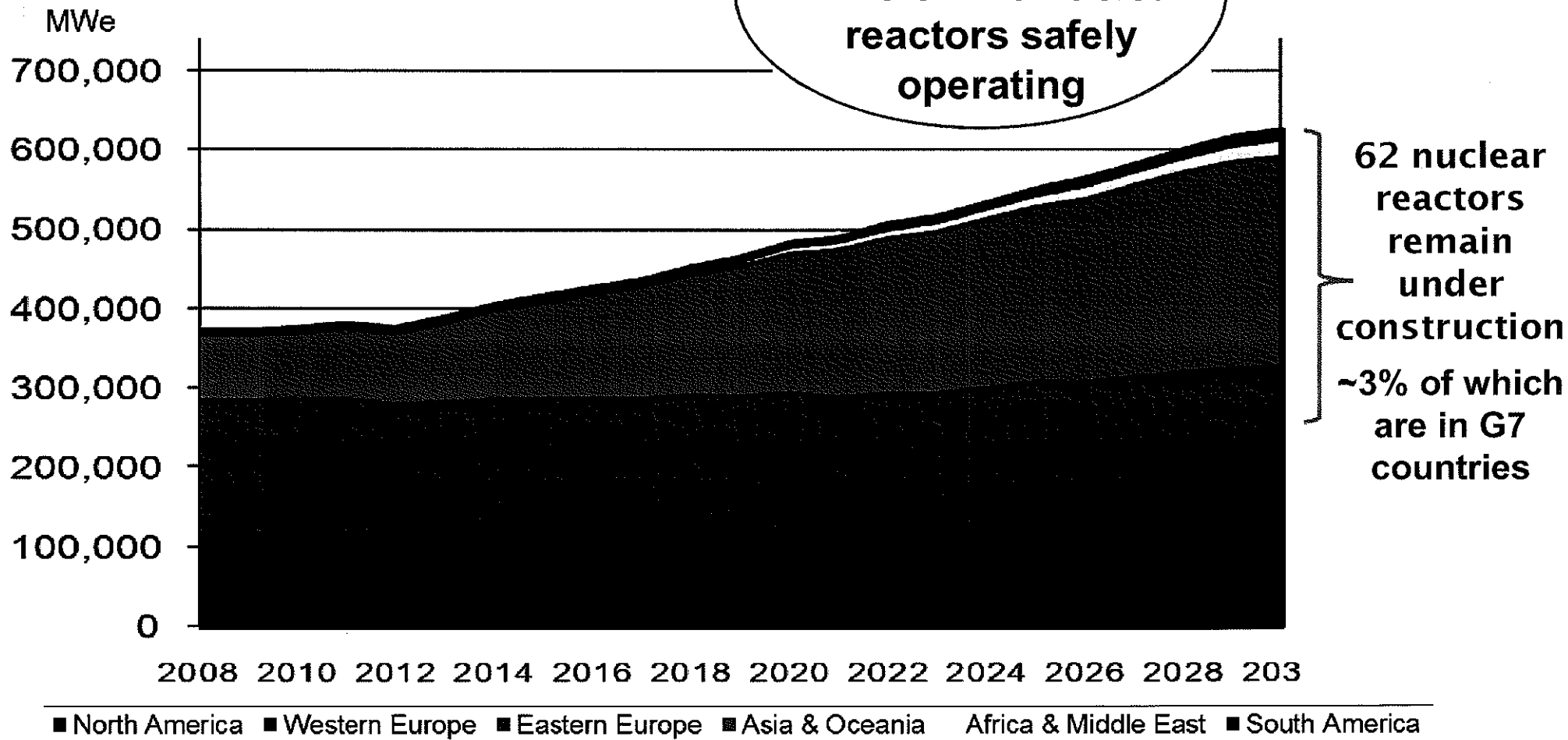
US\$/lb U₃O₈

© UxC



**URANIUM PRICES ARE
DRIVEN PRIMARILY BY
GLOBAL NUCLEAR
CAPACITY EXPANSION,
URANIUM PRODUCTION
ISSUES AT MAJOR
FACILITIES AND MOST
RECENTLY THE EVENTS
AT JAPAN'S FUKUSHIMA
REACTORS
=
SUPPLY/
DEMAND
IMBALANCE**

NUCLEAR CAPACITY FORECAST BY REGION, 1980-2030

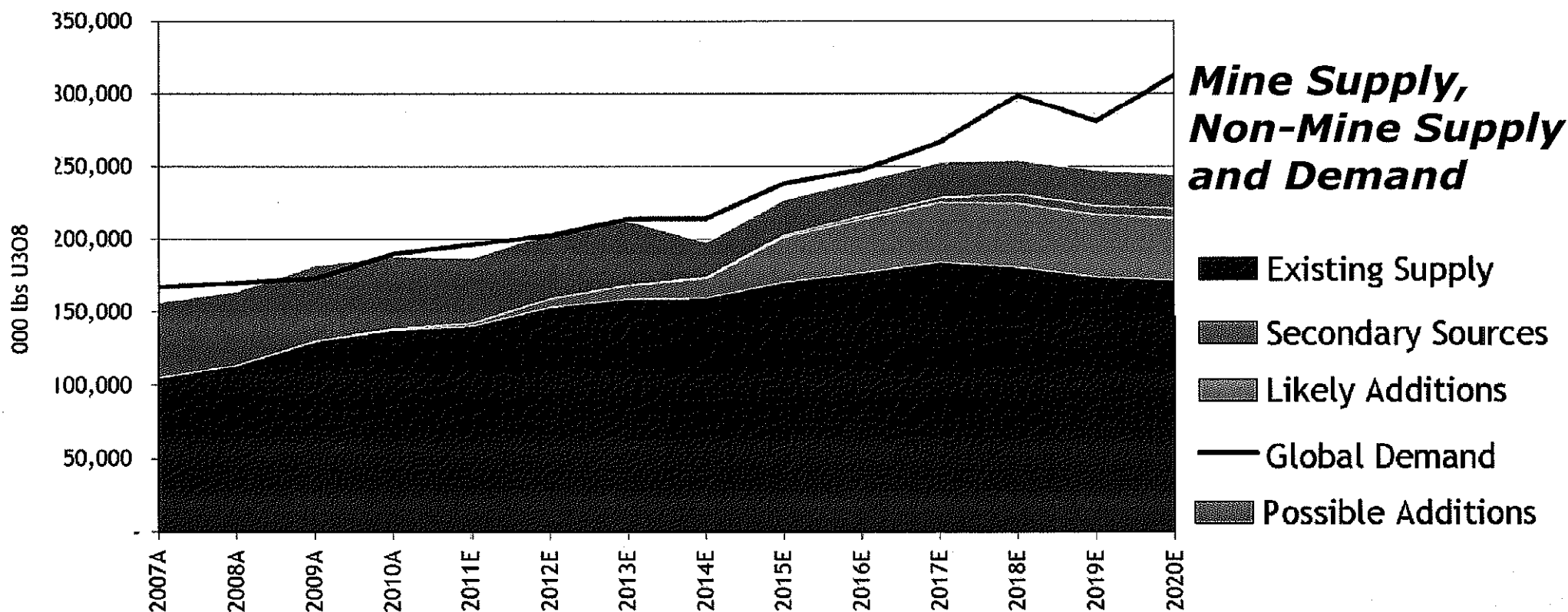


UxC Base Case Nuclear Capacity Forecast by Region, 1980-2030

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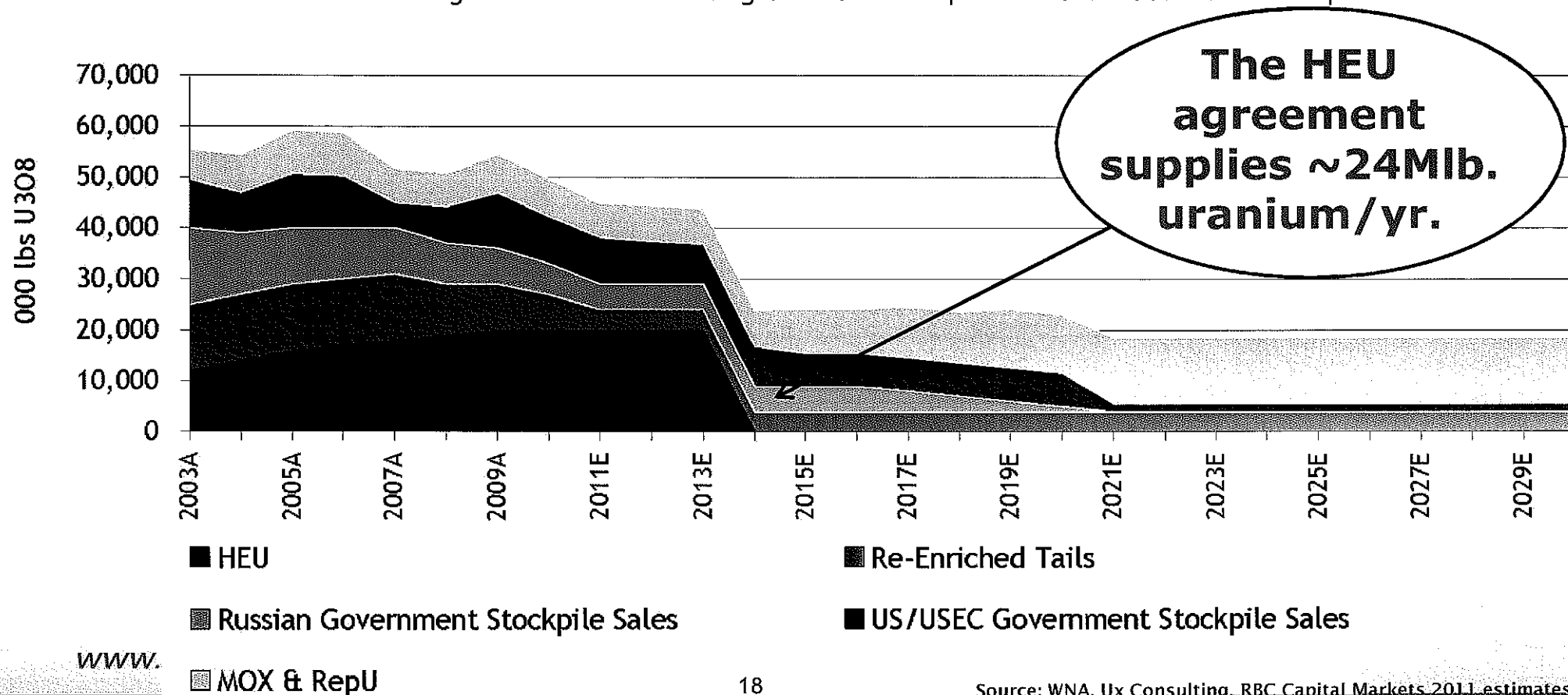
THE URANIUM SECTOR CONTINUES TO FACE A SUPPLY/DEMAND IMBALANCE

- Analyst forecast a large supply-demand gap opening in the near term and growing significantly post-2016
- Development of new projects to fill this gap will take many years to bring into production and require much higher uranium prices

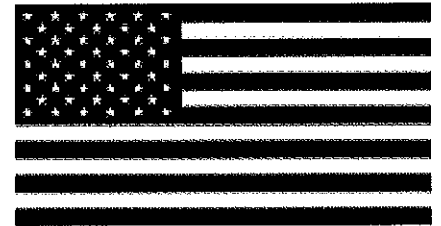


POST FUKUSHIMA - HEU STILL EXPIRES IN 2013

- ❖ Expiration of US-Russian HEU Agreement scheduled for 2013
- ❖ Russia has repeatedly indicated that there is no desire to extend agreement
- ❖ Existing US/Russia HEU agreement supplies 13% of world or 45% of US annual uranium needs
- ❖ Current cost of downblending HEU to commercial grade fuel is expected to exceed new mine production costs



POST FUKUSHIMA - THE U.S. OPPORTUNITY



104 U.S. nuclear reactors...

→ **Consume 55mm lbs. of U3O8/year...**

→ To generate 20% of US electricity grid...

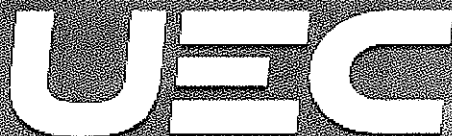


THE U.S. PRODUCES APPROXIMATELY 4MM LBS. OF U3O8/YEAR

**UEC IS EMERGING AS A LOW-COST, INDEPENDENT,
DOMESTIC PRODUCER**

POST FUKUSHIMA – RECENT POSITIVE NEWS

- ❖ **UK**, a G-7 nation - announced it will build 8 reactors
- ❖ **Saudi Arabia**, land of big oil – announced it will build 16 reactors
- ❖ **Russia, China and India** - have all re-affirmed their support for nuclear power – and they represent 50% of the new build
- ❖ **USA**- The Obama administration will apply lessons learned but will continue to speed reactor construction with \$36 billion in federal loan guarantees for as many as eight new reactors



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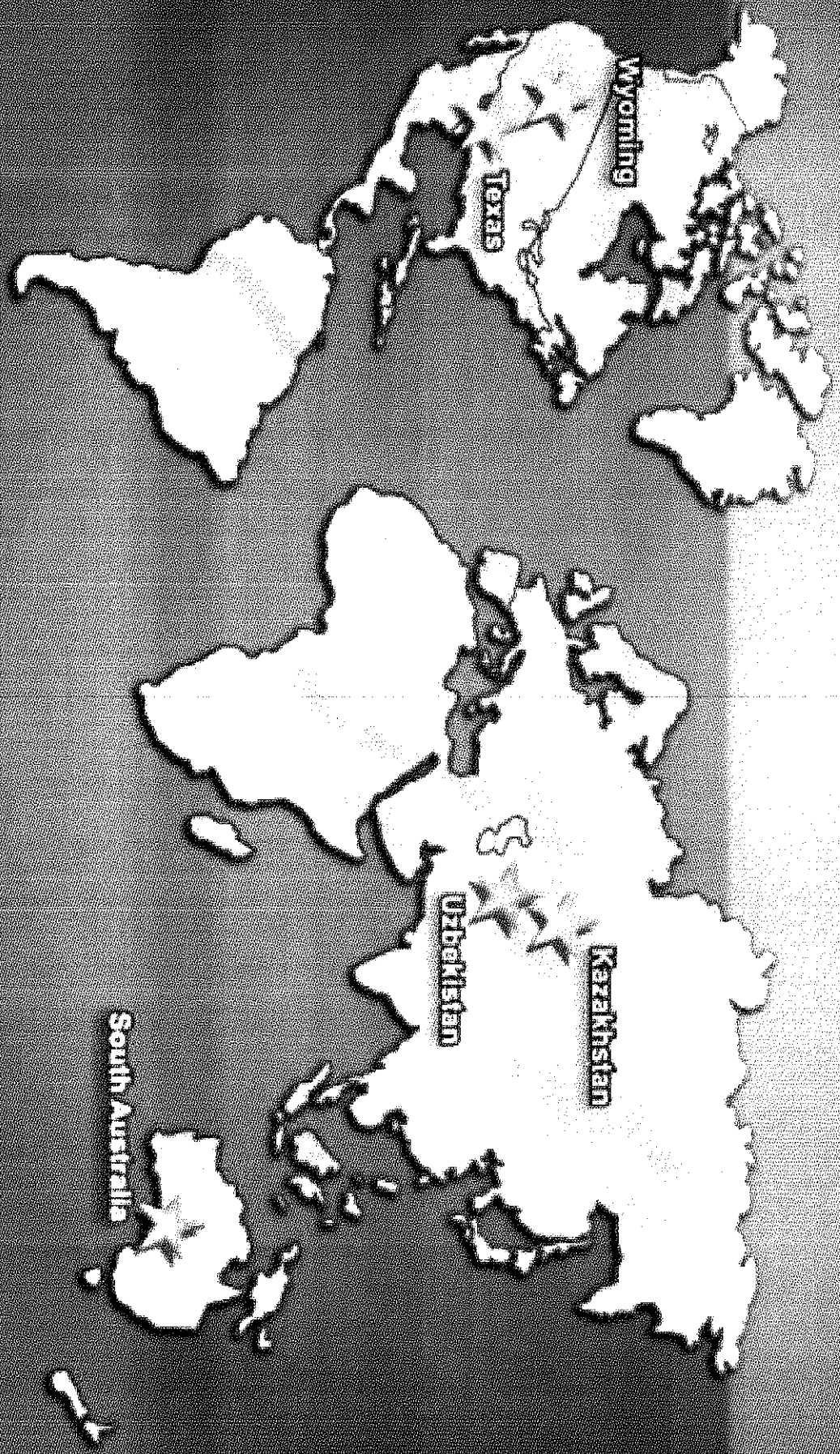
PRESENTATION OUTLINE

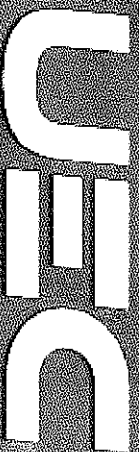
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Worldwide ISR Mining Jurisdiction





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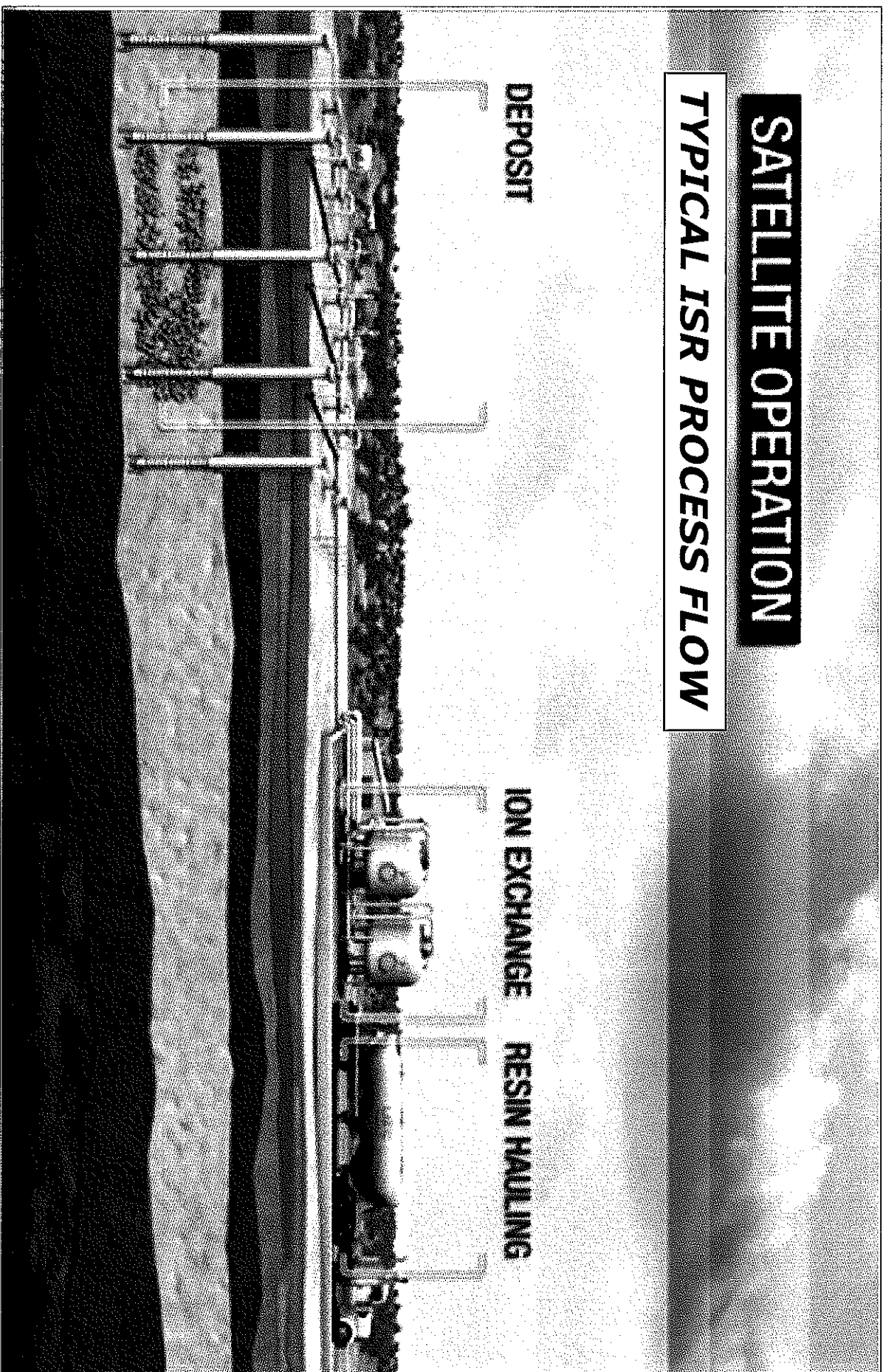
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SATELLITE OPERATION

TYPICAL ISR PROCESS FLOW

DEPOSIT

ION EXCHANGE RESIN HAULING





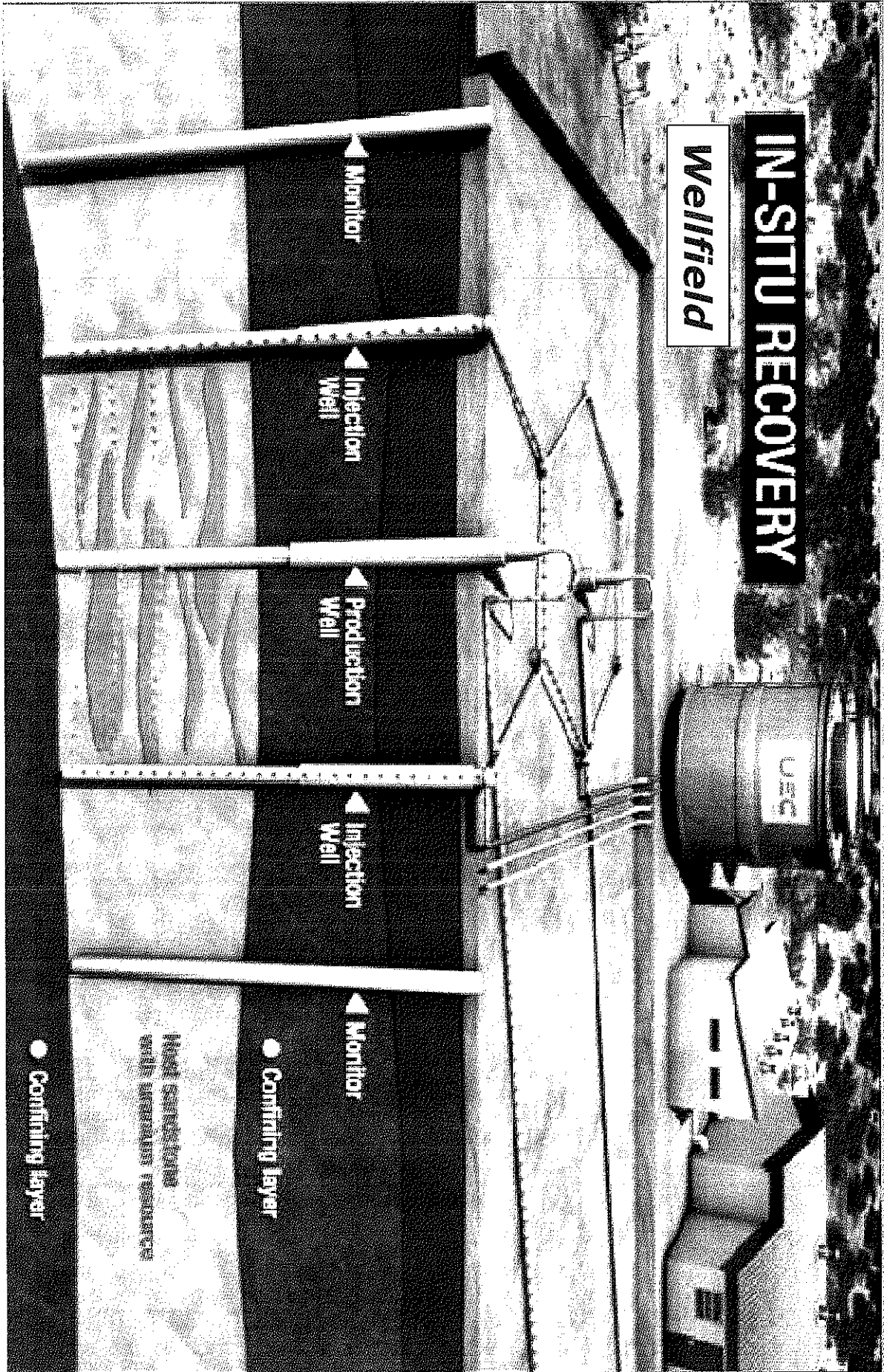
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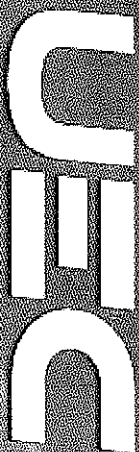
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IN-SITU RECOVERY

Wellfield



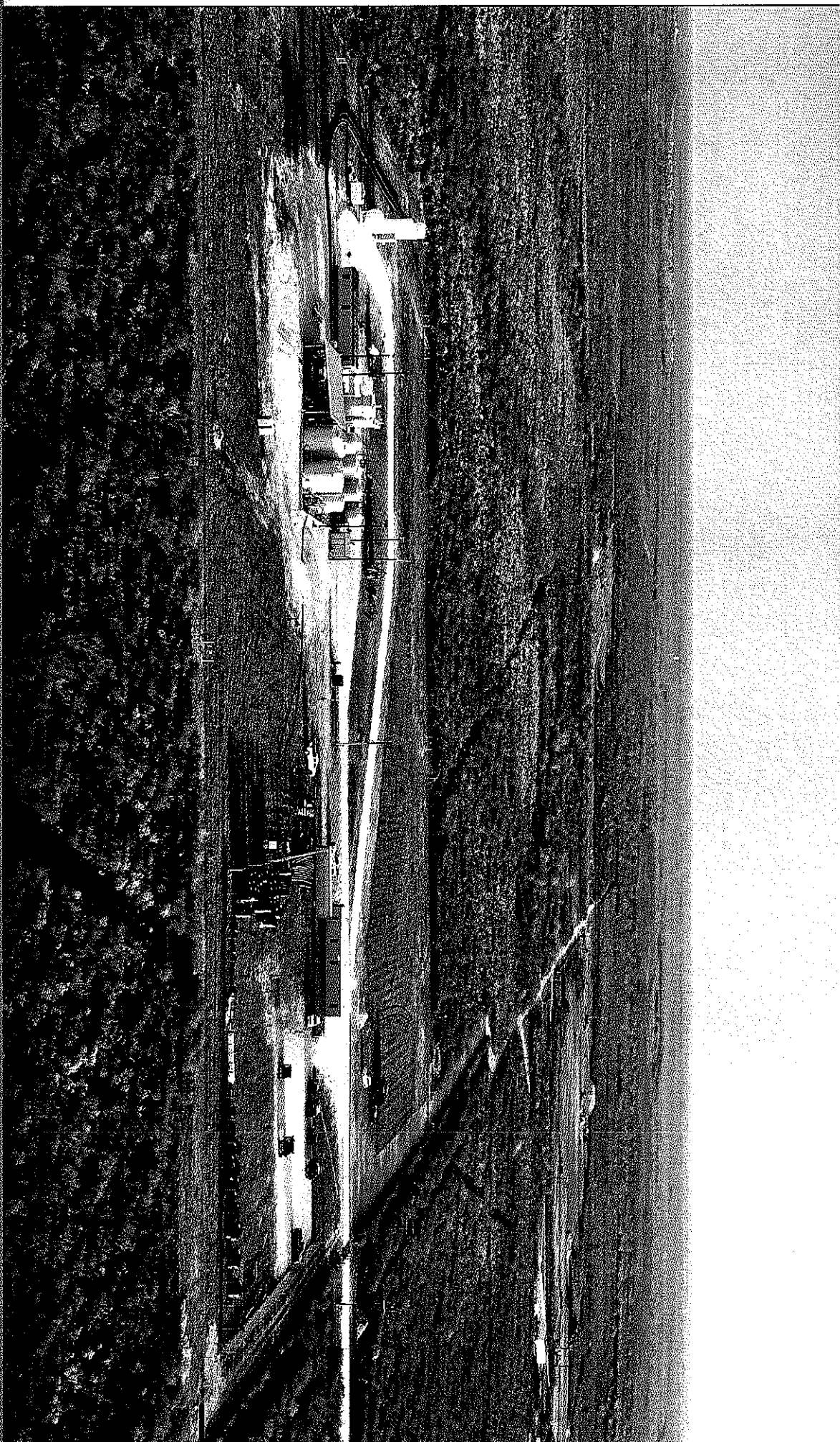


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PALANGANA SATELLITE FACILITY AND WELLFIELD



UEC

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RESIN HAULING TRUCK & TRAILER



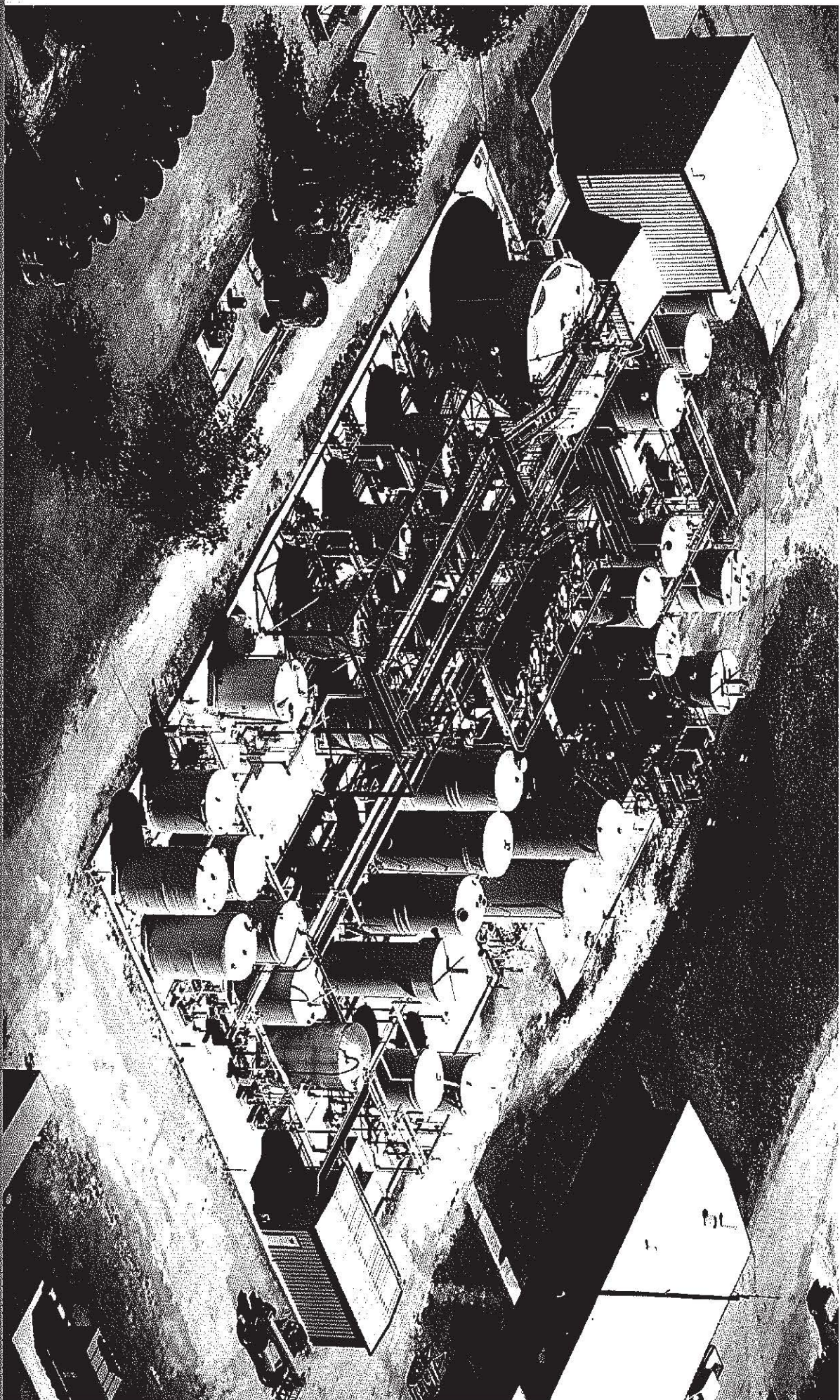
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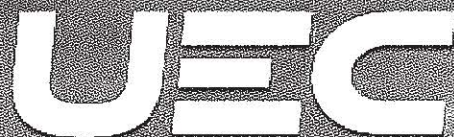
UEC'S HOBSON ISR PROCESSING PLANT



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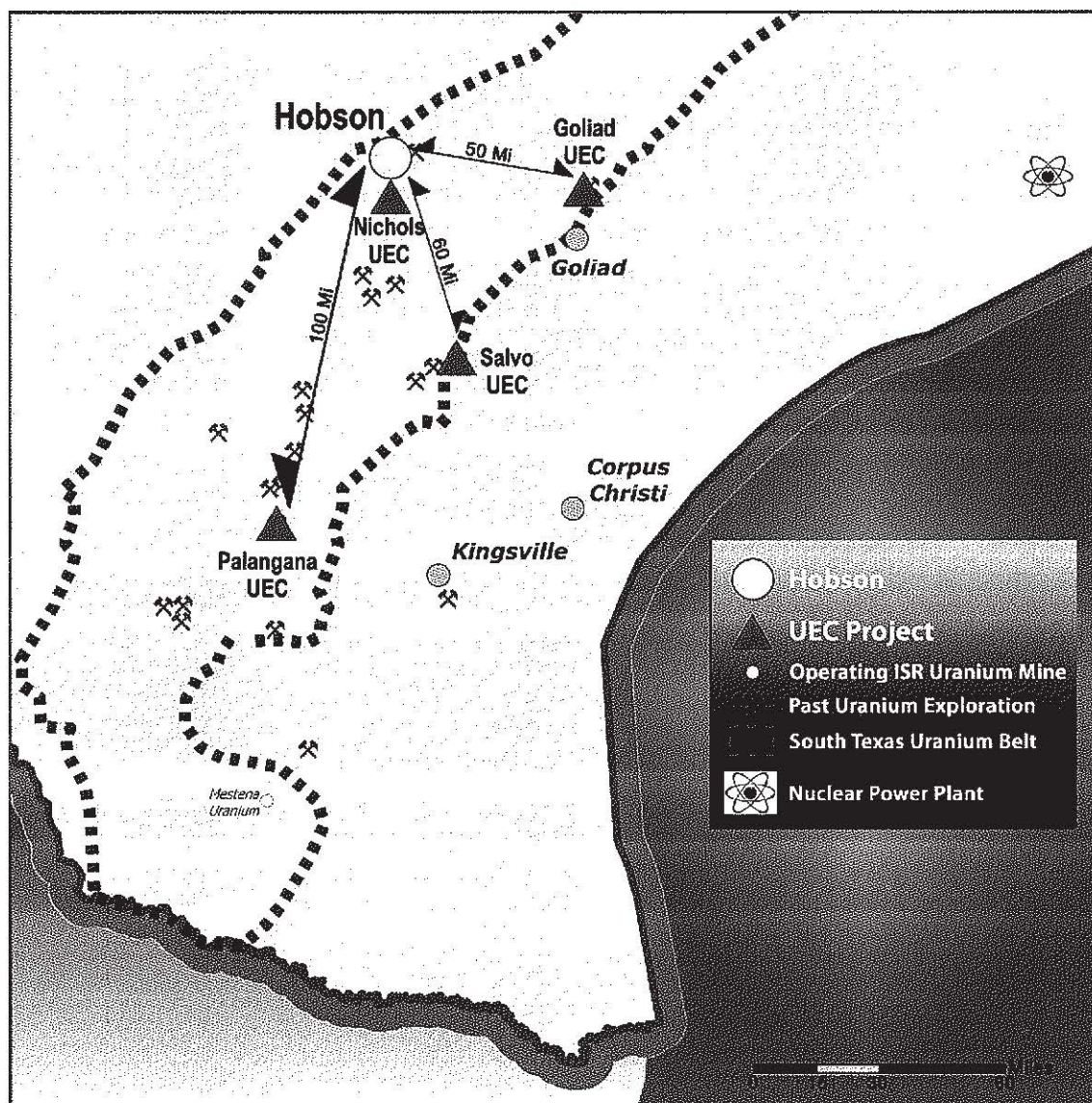
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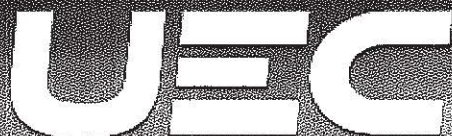
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SOUTH TEXAS URANIUM BELT- A DISTRICT PRODUCTION STRATEGY

- ❖ The Texas Commission on Environmental Quality (TCEQ) issues all required mining permits.
- ❖ 30+ years of uranium mining in Texas, 31 applications made = 31 final permits
- ❖ 26 of 31 current or historic deposits in trend have been ISR amenable deposits.

**SOUTH TEXAS URANIUM
BELT COVERS 270 MILES
IN OVER 54 COUNTIES**





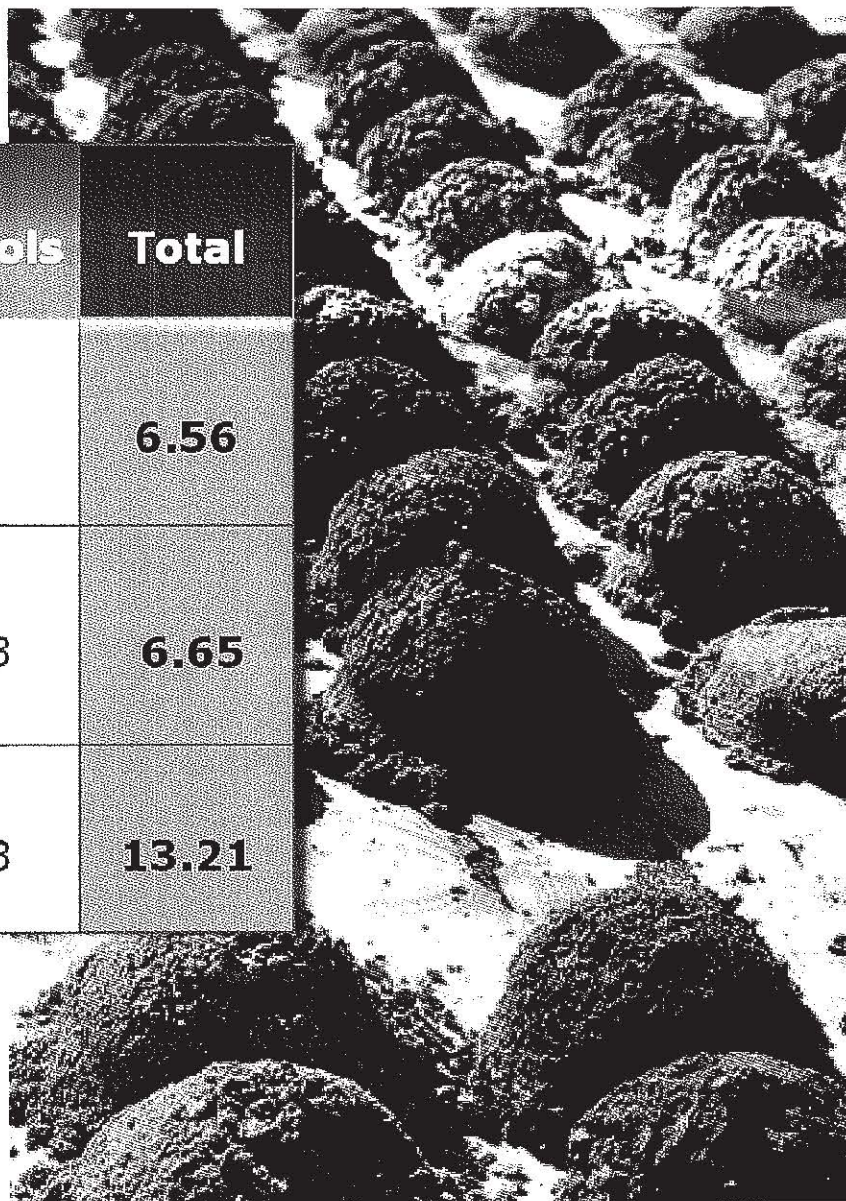
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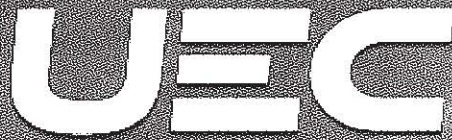
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CURRENT SOUTH TEXAS RESOURCES:

Category	Palangana	Goliad	Salvo	Nichols	Total
43-101 MEASURED & INDICATED (M LBS.)	1.06	5.5	-	-	6.56
43-101 INFERRED (M LBS.)	1.15	1.4	2.8	1.3	6.65
TOTAL (M LBS.)	2.21	6.9	2.8	1.3	13.21





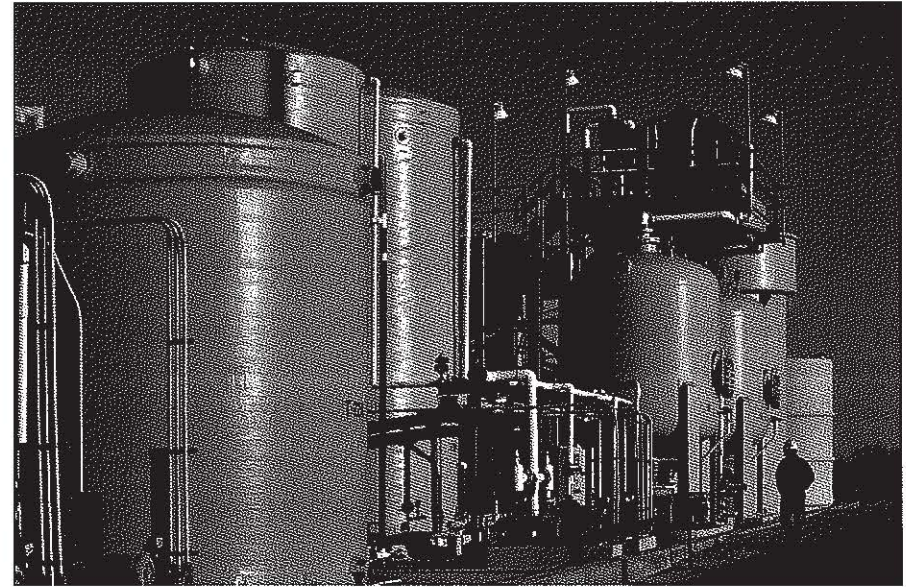
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HOBSON ISR PROCESSING PLANT

- ❖ Fully licensed and permitted
- ❖ Completely refurbished as of Q3/2008



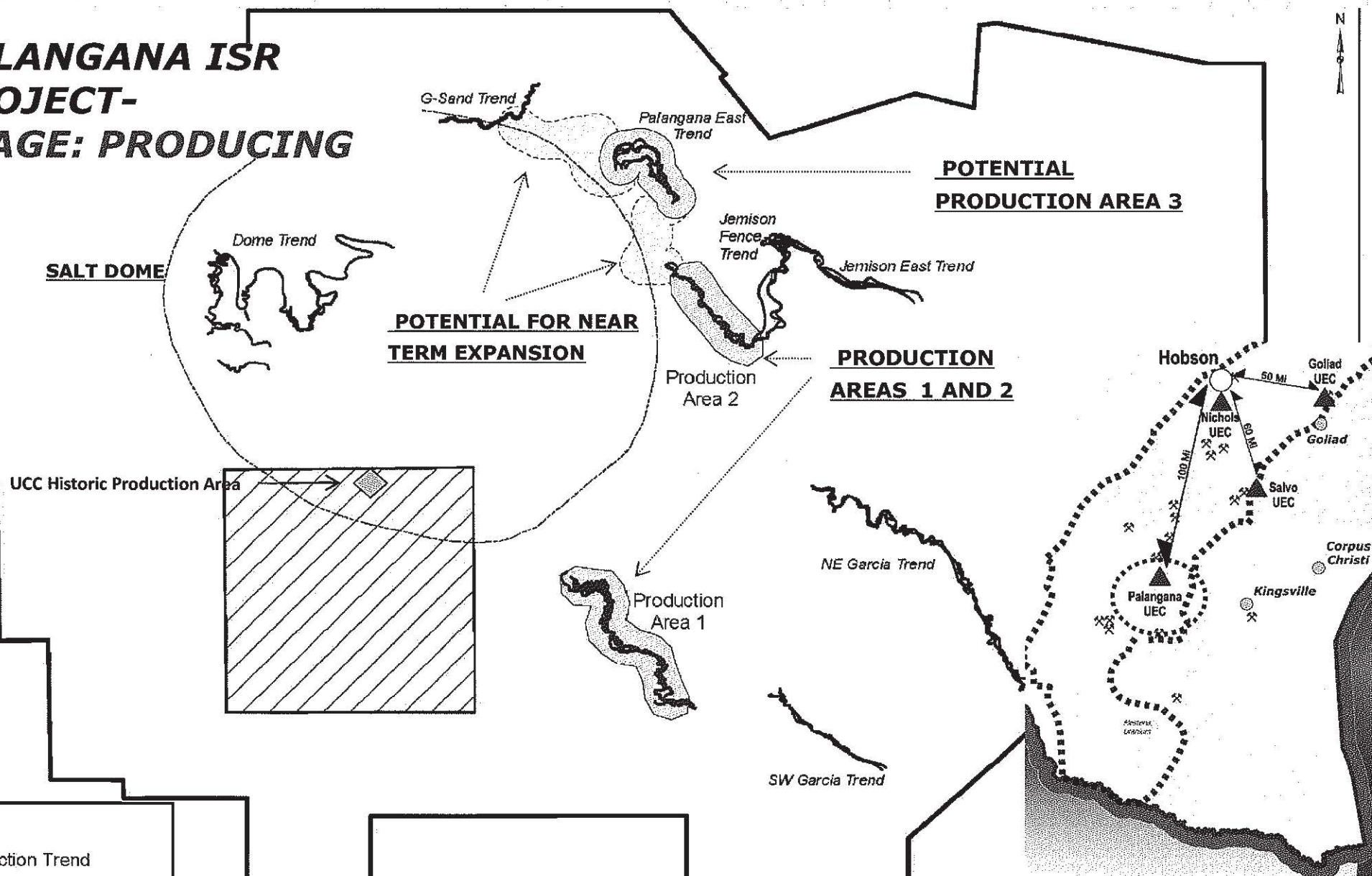
PALANGANA ISR PROJECT - STAGE: PRODUCING

- ❖ **First new ISR uranium mine** in the U.S. in five years
- ❖ 9,900-acre property, **located** 100 miles south of the UEC's Hobson ISR processing plant
- ❖ 2.2mm lb. NI 43-101 Compliant Resource:
 - ❖ **Two Production Zones:**
Measured & Indicated **Resource: 1,057,000 lbs.** average grade of 0.135%
 - ❖ **Six Potential Production Zones:**
Inferred **Resource: 1,154,000 lbs.** with average grade of 0.176%



Palangana Wellfield: Phase 1 (Right), Phase 2 (Middle), Phase 3 (Left)

PALANGANA ISR PROJECT- STAGE: PRODUCING



Legend

- Production Trend
- Potential Production Trend
- ▨ Production Area
- ▨ Potential Production Area
- ▨ Potential for Expansion
- ▨ Palangana Salt dome
- ▨ Mineral Lease Boundary
- ▨ Unleased

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NI 43-101 Resource Estimates

Jemison Fence	268,000
Palangana East	219,000
NE Garcia	205,000
Jemison East	105,000
Dome	111,000
SW Garcia	53,000

NI 43-101 Resource Estimates

PA1 M&I	824,000
PA1 Inferred	161,000
PA2 M&I	234,000
PA2 Inferred	31,000

0 0.5 1 Miles

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Uranium Energy Corp

Palangana
Duval County, Texas

DATE: Apr 1, 2011

Map Created by: JDN

FILE: LP_ExplorationINDEX

Trend Index Map

GOLIAD ISR PROJECT - STAGE: NEAR TERM PRODUCTION

❖ 6.9 mm lb. NI 43-101 Compliant Resource:

-Measured & Indicated 5.4 million lbs. and Inferred 1.5 million lbs. U3O8 at avg. grade of 0.078

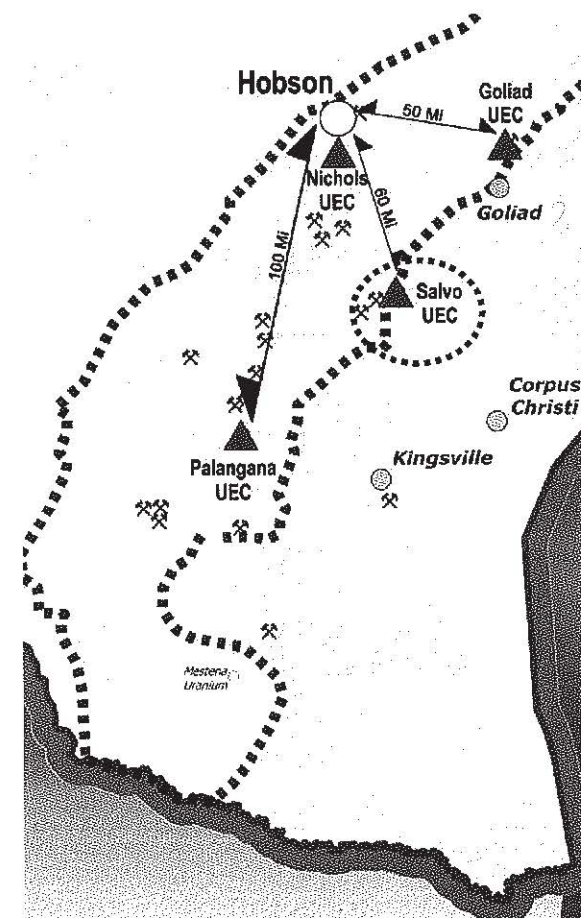
❖ Exciting "Blue Sky" Potential- Uranium mineralization remains open laterally in all directions.

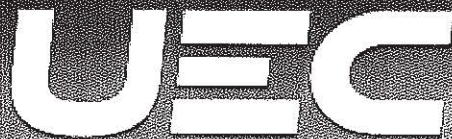
❖ Final stages of permitting for production:

Permits Received		Permits Pending		Production Status
Class III Injection Well Permit (mine permit)				
Two Class I Injection Well Permits (disposal well permits)				
Production Area Authorization for its first production area				
Permit by Rule (air permit exemption); and				
Draft Radioactive Material License	➡	Final Radioactive Material License	➡	Commence construction
State-approved Aquifer Exemption	➡	Concurrence with the Aquifer Exemption from the regional EPA	➡	Commence in-situ recovery of uranium

SALVO ISR PROJECT STAGE: EXPANSION DRILLING PROGRAM

- ❖ 100%-controlled in-situ recovery uranium project in Bee County totaling **4,238 acres**
- ❖ 45 miles from Hobson processing plant
- ❖ Targeted to become the third in-situ recovery satellite project in Texas
- ❖ Inferred mineral resource of 1.2 million tons grading 0.08% U₃O₈ or **2.839 million pounds U₃O₈**
- ❖ Historical operator include Mobil Oil (1982) and Uranium Resources Inc (1984)





Uranium Energy Corp

NORTH AMERICA'S NEWEST EMERGING URANIUM PRODUCER

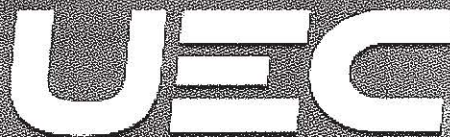
NYSE-AMEX: UEC

PRESENTATION OUTLINE

- ❖ Uranium Energy Corp Overview
- ❖ Uranium Supply and Demand
- ❖ In-Situ Recovery (ISR) Mining
- ❖ Production Strategy – South Texas
- ❖ **Featured Projects**
- ❖ Final Thoughts



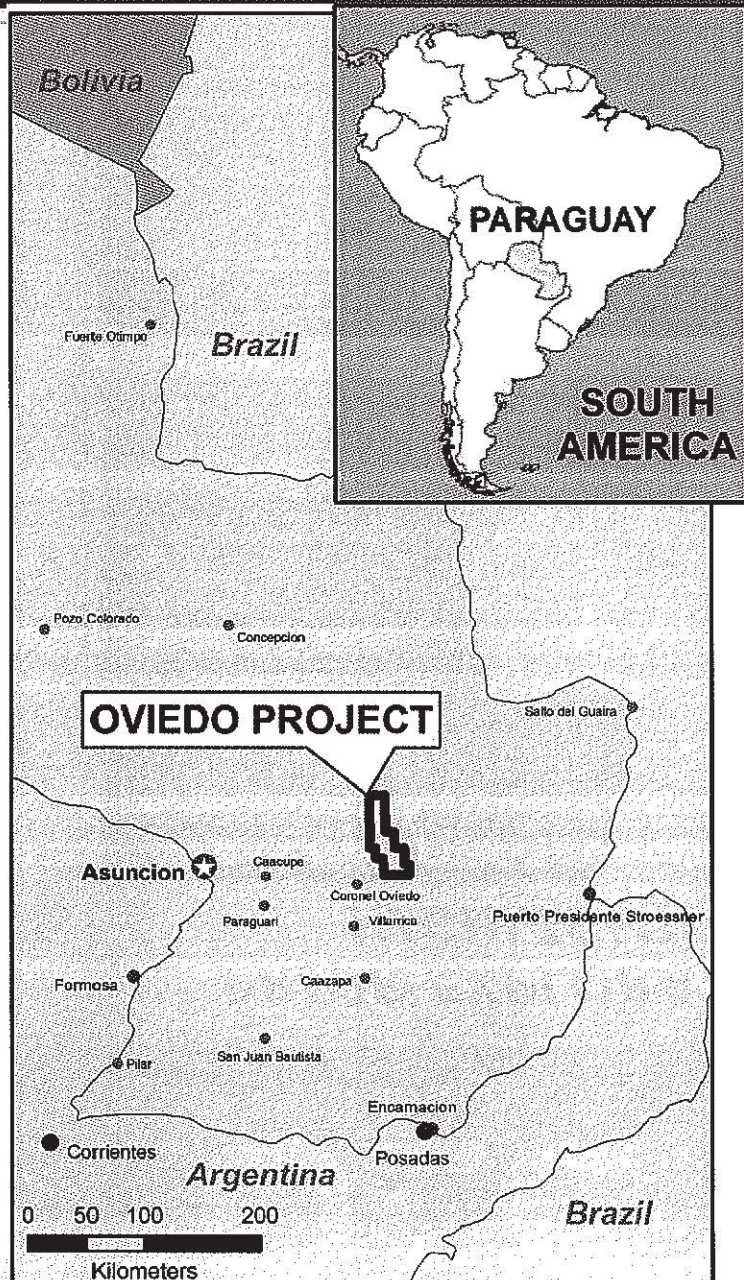
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EXPANDING THE PROJECT PIPELINE A NEW ISR DISTRICT OPPORTUNITY IN PARAGUAY

- ❖ Prospecting permit covers **247,000 acres** located in the area of Coronel Oviedo, Paraguay
- ❖ Subject to **extensive uranium exploration** by Anschutz Corp (1976-1983) and Crescent Resources (2006-2008)
- ❖ Property characterized by mineralization very **similar to the South Texas** uranium trend, holds large-scale potential
- ❖ Determined to be **low cost, ISR-amenable** indicated by UEC's initial aquifer test
- ❖ **10,000-meter drill program** underway

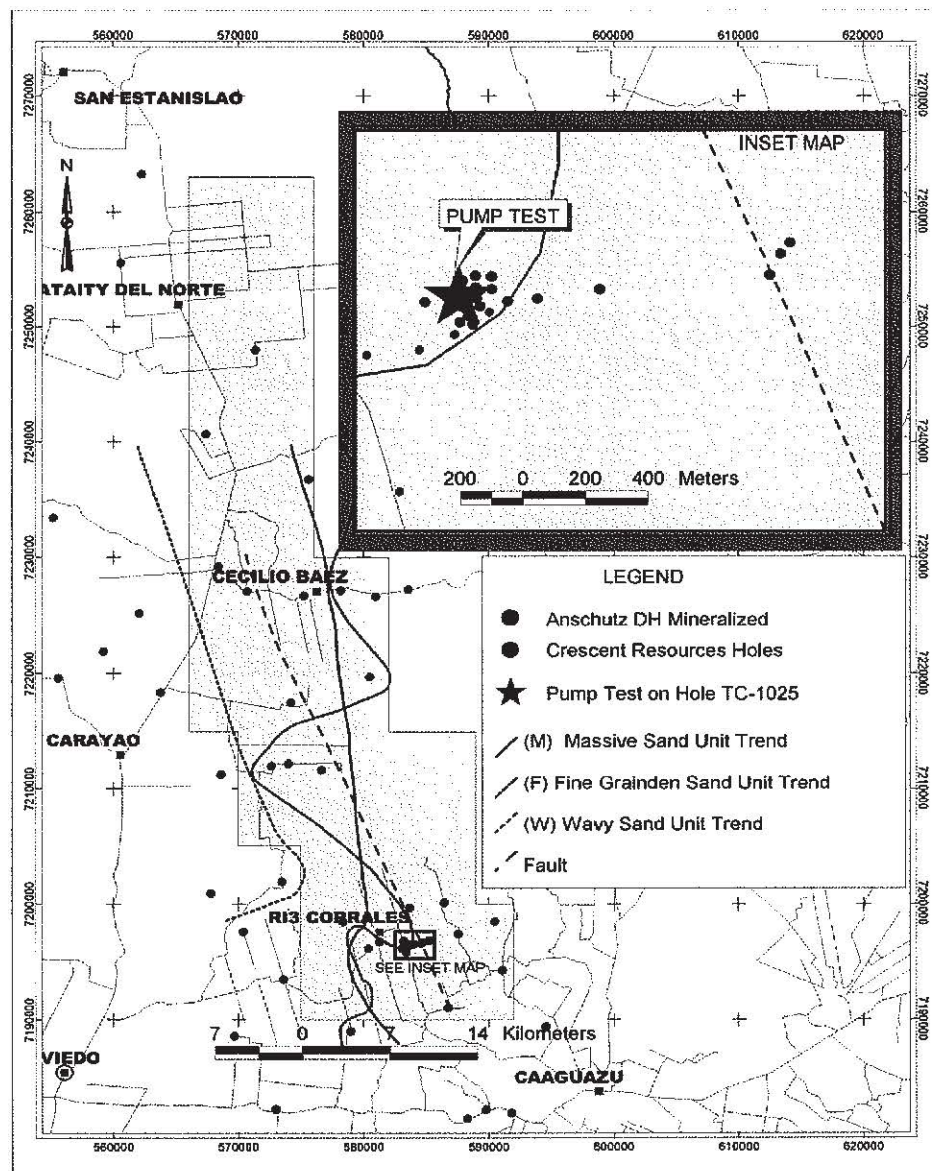
PRIOR EXPLORATION HIGHLIGHTS

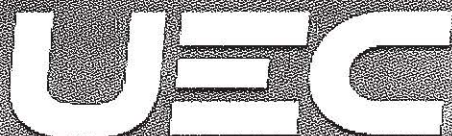
ANSCHUTZ CORPORATION

- of 28 drill holes 17 showed significant uranium values
- the best being 6.2 feet of 0.153% U₃O₈ at a starting depth of 785 feet
- 3 mineralized fronts were identified and a 75 mile-long fault structure which appears to have been the source of the gases that localized the concentration of uranium

CRESCENT RESOURCES

- of 23 drill holes, 14 had a grade-thickness (GT) equal to or greater than 0.30GT
- GT values equal to and above 0.30 are typically considered producible under ISR production methodology
- the depth of the known uranium mineralization intersected by the past drilling is at depths between 450 and 750 feet





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NYSE-AMEX: UEC Frankfurt: U6Z

A NEW ISR DISTRICT OPPORTUNITY IN PARAGUAY

ISR AMENABLE URANIUM MINERALIZATION

- ❖ UEC has conducted a 24-hour aquifer test in the area of the resource trend
- ❖ The test determined that the project's aquifer would support in-situ recovery of uranium
- ❖ The test showed that wells could be pumped at rates of up to 45 gallons/min for sustained intervals
- ❖ Production rates from ISR wells in Wyoming, Texas and Nebraska are typically in the range of 10 to 50 gallons/min



UEC crew performing 24-hour aquifer test

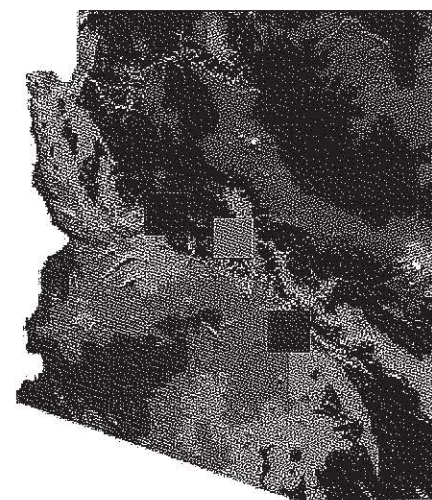


UEC crew performing 24-hour aquifer test

ARIZONA U.S. PROJECT PORTFOLIO HIGHLIGHT

- ❖ Established uranium districts and **historic production**
- ❖ Favorable mine **permitting** environment
- ❖ **Largest nuclear power** plant in the US, Palo Verde just received 20 year license extensions
- ❖ UEC controls **2 existing projects**, both subject of previous exploration work:
 - ❖ Artillery Peak Project – Mohave County
2 million pounds of historic U3O8
 - ❖ Los Cuatro Project – Maricopa County
12 million pounds of historic U3O8
- ❖ On September 12th UEC completed a merger to acquire the past-producing **Anderson Property**

UEC ARIZONA PROJECT PORTFOLIO

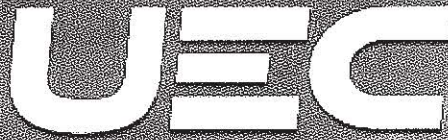


CURRENT UEC PROJECTS

- Artillery Peak Project
- Los Cuatros Project

POTENTIAL UEC PROJECT

- Anderson Project



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UEC MILESTONES – Over the next 12 months GROWING PRODUCTION AND POUNDS

South Texas Projects

South America Project

S. Texas

- * Acquisition of new leases within hauling distance to Hobson ISR processing plant

Palangana

- * Ramp up production
- * Resource expansion

Goliad

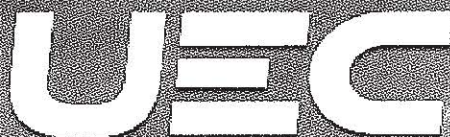
- * Final permits to be issued by the TCEQ
- * Commence construction of production area

Salvo

- * Updated NI 43-101 resource estimate based on ongoing drilling
- * Begin production Permitting

Paraguay

- * Commence 10,000 meter exploration drill program



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UEC's CORPORATE HISTORY 2004-2011

October 2004	Acquired portfolio of uranium projects in Wyoming, Arizona, Colorado
February 2006	Went public by listing shares on the OTCBB under the symbol URME
July 2006-Jan 2007	Raised \$18, 500,000 equity financing
September 2007	Began trading on the Amex under a new symbol UEC
Dec 2007-June 2009	Raised over \$44,050,000 equity financing and executed exploration programs
December 2009	Acquired licensed Hobson processing plant, the Palangana ISR project and property portfolio from UUU
January 2010	Permitted Palangana ISR uranium project
April 2010	Completed sale of interest in Cebolleta Uranium Project in New Mexico for \$11 M
June 2010	Commenced construction and development on Production Area One at Palangana
October 2010	Raised \$27,500,000 equity financing
November 2010	Initiated Production at Palangana ISR Project
December 2010	Received Mine Permit and Production Area Authorization for the Goliad ISR Project
March 2011	Quarterly Report shows initial results indicate low-cost production profile
April 2011	Reported NI 43-101 Inferred Resource of 2.8 M lbs. U3O8 at the Salvo Project in South Texas
May 2011	Announced merger to acquire the Anderson Property in Arizona
May 2011	Acquired large uranium project in Paraguay, South America
June 2011	Quarterly Report indicates low-cost production profile and ~120,000 lbs. U3O8 in inventory

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ANALYST COVERAGE

Global Hunter Securities	Jeff Wright	(415) 276-8719
Dundee Capital	David A. Talbot	(416) 350-3082
Haywood Securities	Geordie Mark, Ph.D	(604) 697-6089
RBC Capital Markets	Adam Schatzker	(416) 842-7850
Jennings Capital	Alka Singh	(416) 214-0600
CIBC World Markets	Ian Parkinson	(416) 956-6169

INVESTMENT SUMMARY

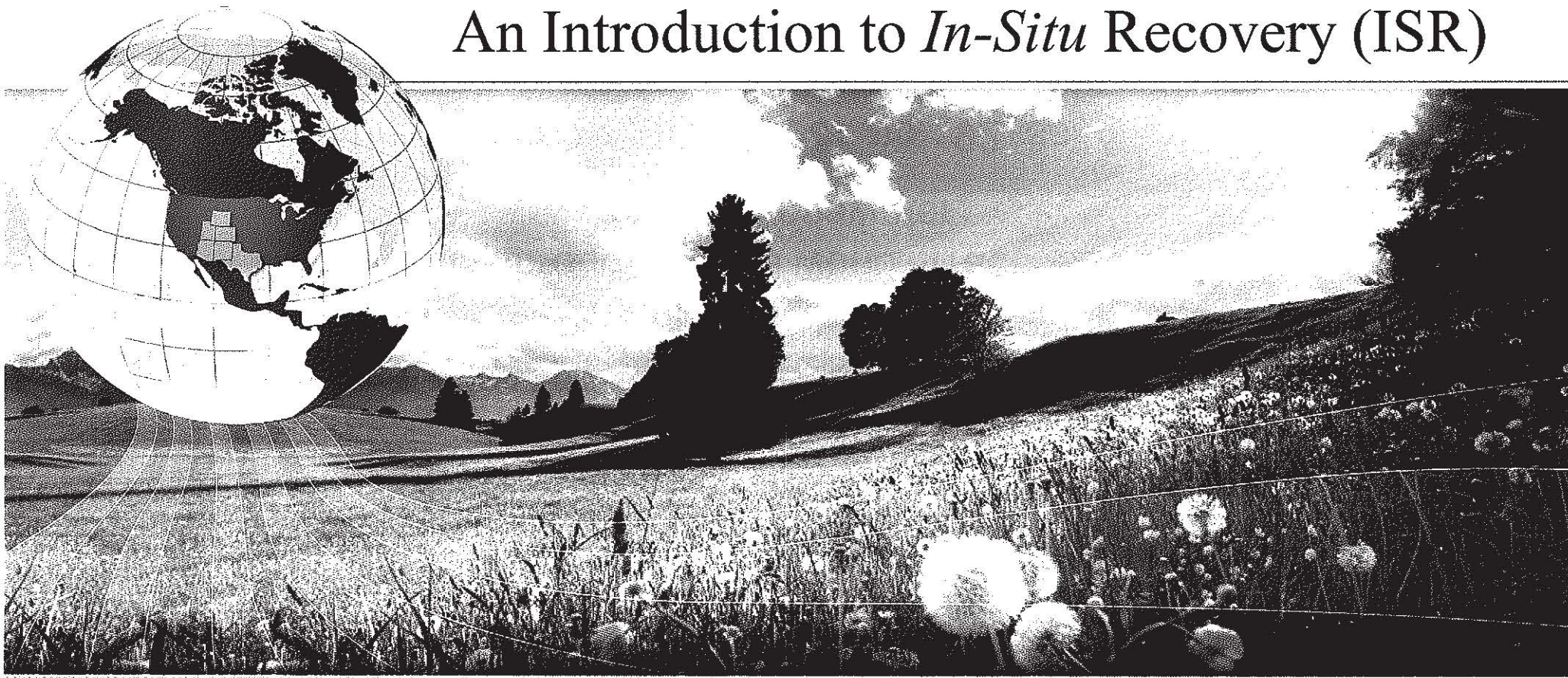
NORTH AMERICA'S NEWEST EMERGING URANIUM PRODUCER

STRONG FUNDAMENTALS AND A CLEAR GROWTH STRATEGY

- ❖ Operating the first U.S. ISR uranium mine in the last five years
- ❖ Strong balance sheet \$30.7 mm cash, no debt, 73.5mm shares outstanding
- ❖ Owns a fully licensed, constructed, and centrally located processing plant in South Texas
- ❖ 4 in-situ recovery ("ISR") projects in uranium friendly South Texas
- ❖ Aggressive exploration program underway in S. Texas - total of ~320,000 ft of drilling
- ❖ ISR projects = lower capital and operating costs
- ❖ Last two major ISR projects put into production by UEC team in Texas
- ❖ Controls another 22 projects in the other U.S. uranium states with 23 mm lbs. U308
- ❖ Expanding the project portfolio with a new ISR district opportunity in Paraguay, South America



An Introduction to *In-Situ* Recovery (ISR)



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UEC
Uranium Energy Corp



Uranium Energy Corp

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u•ra•ni•um

Pronunciation: (yoo-ra'ne-um),
—*n. Chem.*

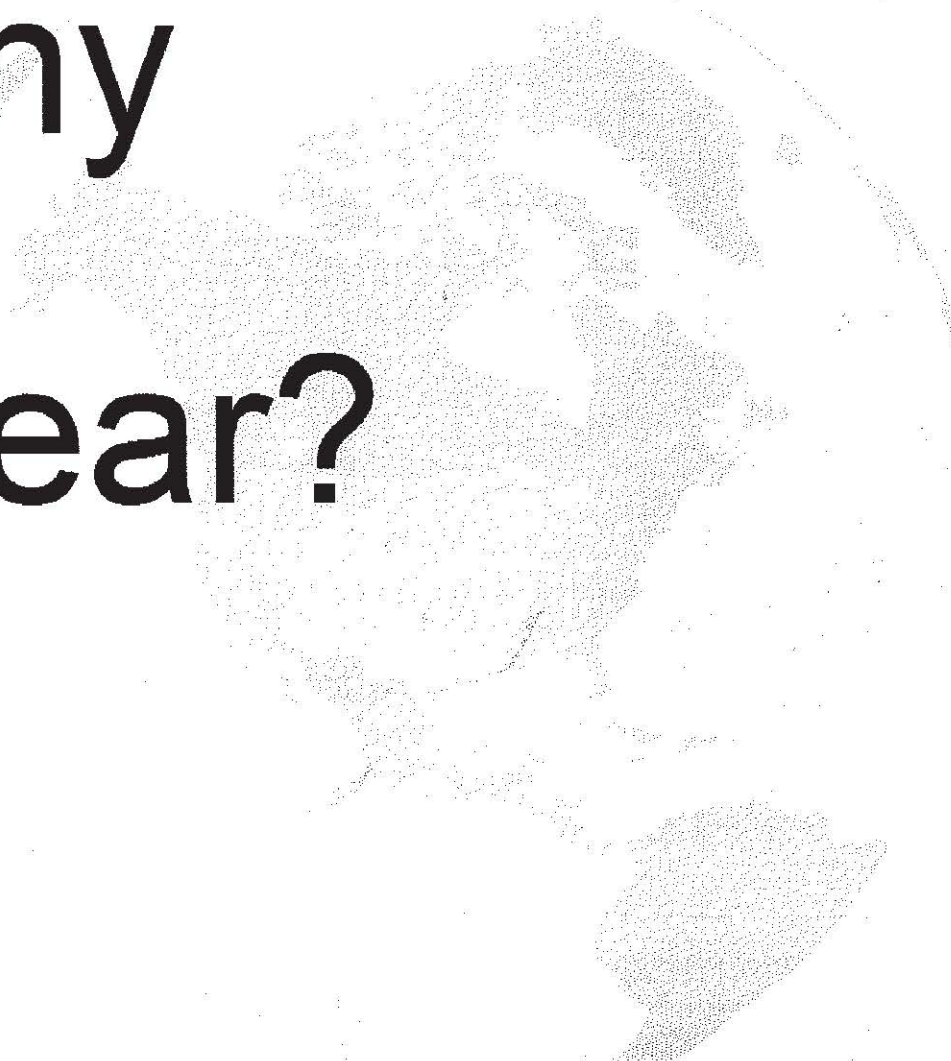
a white, lustrous, radioactive, metallic element, occurring in pitchblende, and having compounds that are used in production of nuclear power and in coloring glass. More plentiful than zinc and tin it also is the heaviest natural occurring element. It is ubiquitous and is found commonly throughout the world. Trace amounts are found in seawater.

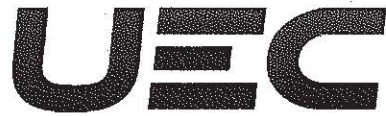
Symbol: U; *at. wt.:* 238.03; *at. no.:* 92; *sp. gr.:* 19.07.



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Why Nuclear?

A faint, stylized map of North America is visible in the background, showing the outlines of the United States and Canada.



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Facts:

1. United States long term goal is to become Energy Independent.
2. Nuclear Power has no emissions of CO₂, NO₂ and SO₂ which cause Global Warming and Acid Rain.
3. Costs/Kwhr
 - A. Nuclear 1.7 ¢
 - B. Coal 2.1¢
 - C. Natural Gas 7.5 ¢
4. Material needed to light a 100 watt light bulb continuously for a year.
 - A. 876 lbs of Coal
 - B. 324 lbs of Natural Gas
 - C. 508 lbs of Oil
 - D. .0007 lbs of Uranium



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Energy Demand and Growth

Why is there a need to explore and produce uranium?

§ World Electrical consumption will double by 2030.

§ USA produces 3 million lbs U₃O₈ each year, yet consumes 60 million lbs.

§ 95% of all our nation's nuclear fuel is being imported.

§ 2006 CO₂ emissions = 23 Billion tons/year. It is projected that by 2030 this will increase by 72% or 43 Billion tons/year.

U.S. Electricity Generation Fuel Shares 1973 vs. 2005*

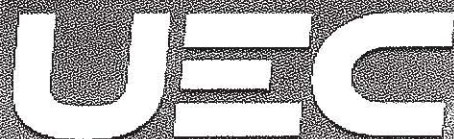
Fuel	1973	2005
Coal	45.5%	49.9%
Nuclear	4.5%	19.4%
Gas	18.3%	18.6%
Hydro	14.8%	6.4%
Oil	16.9%	3.0%
Other	0.1%	2.7%

* Preliminary

Source: Global Energy Decisions / Energy Information Administration

Updated: 4/06

NEI

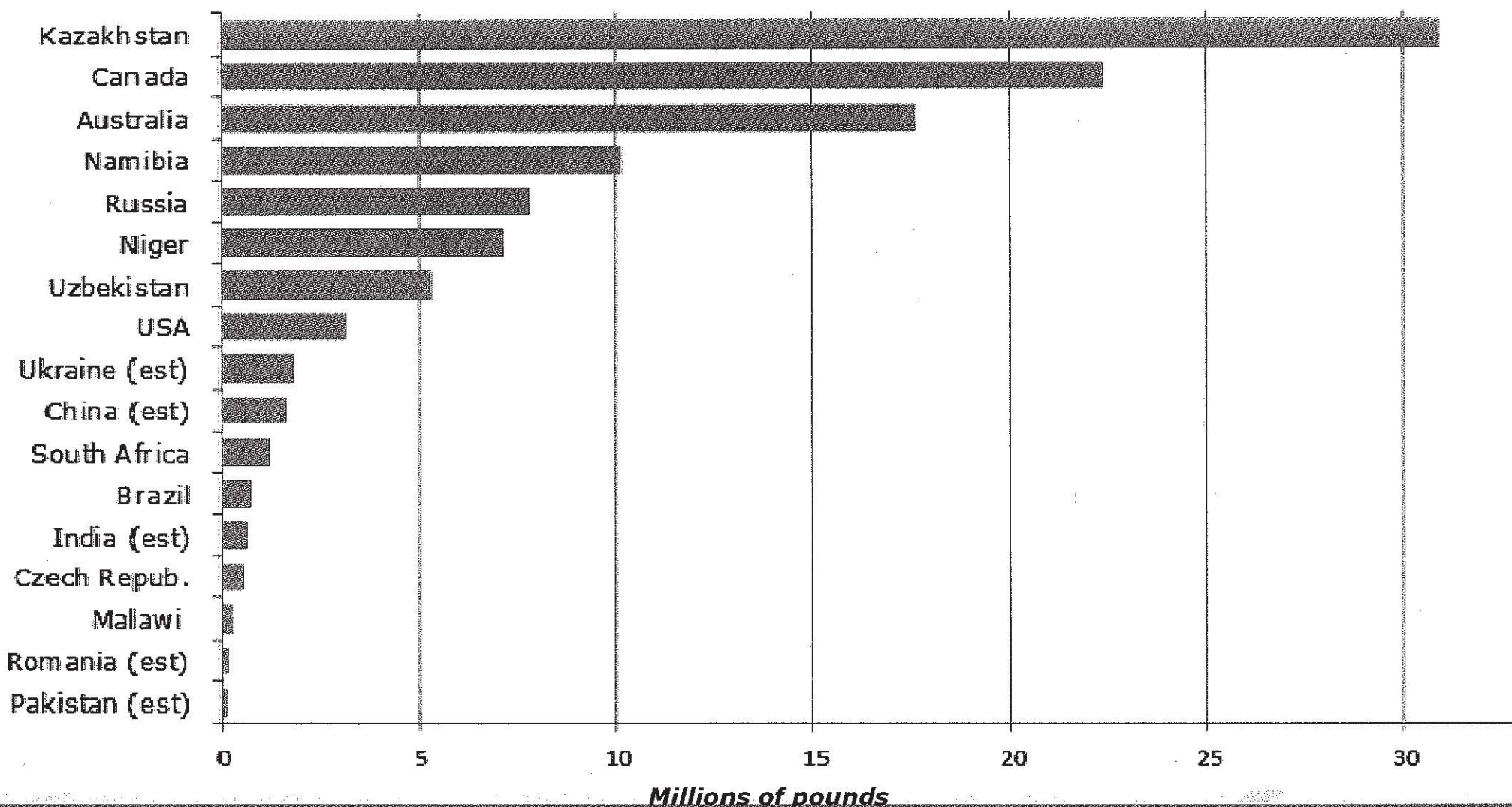


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URANIUM PRODUCING COUNTRIES - 2011

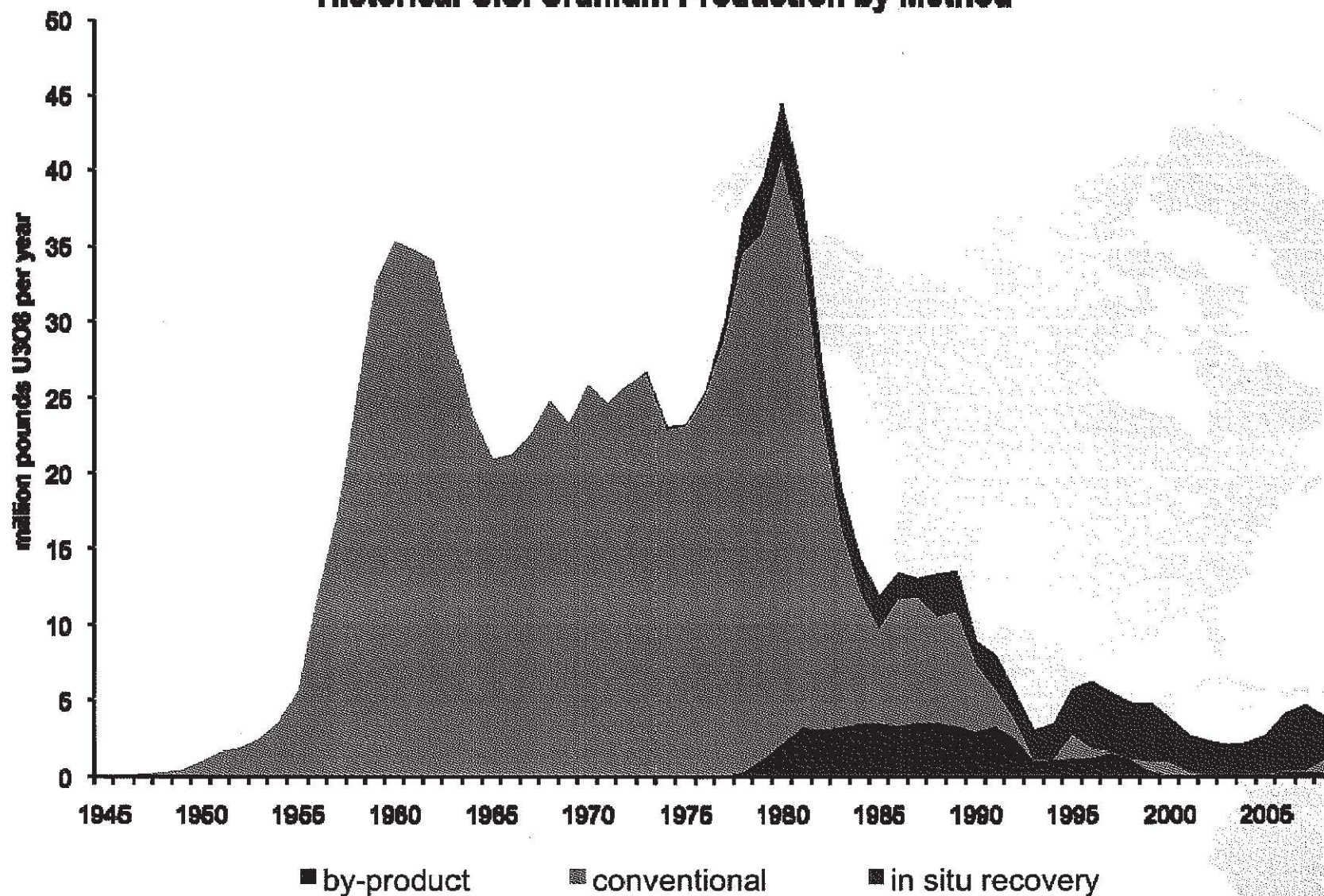


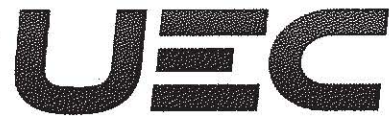


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Historical U.S. Uranium Production by Method

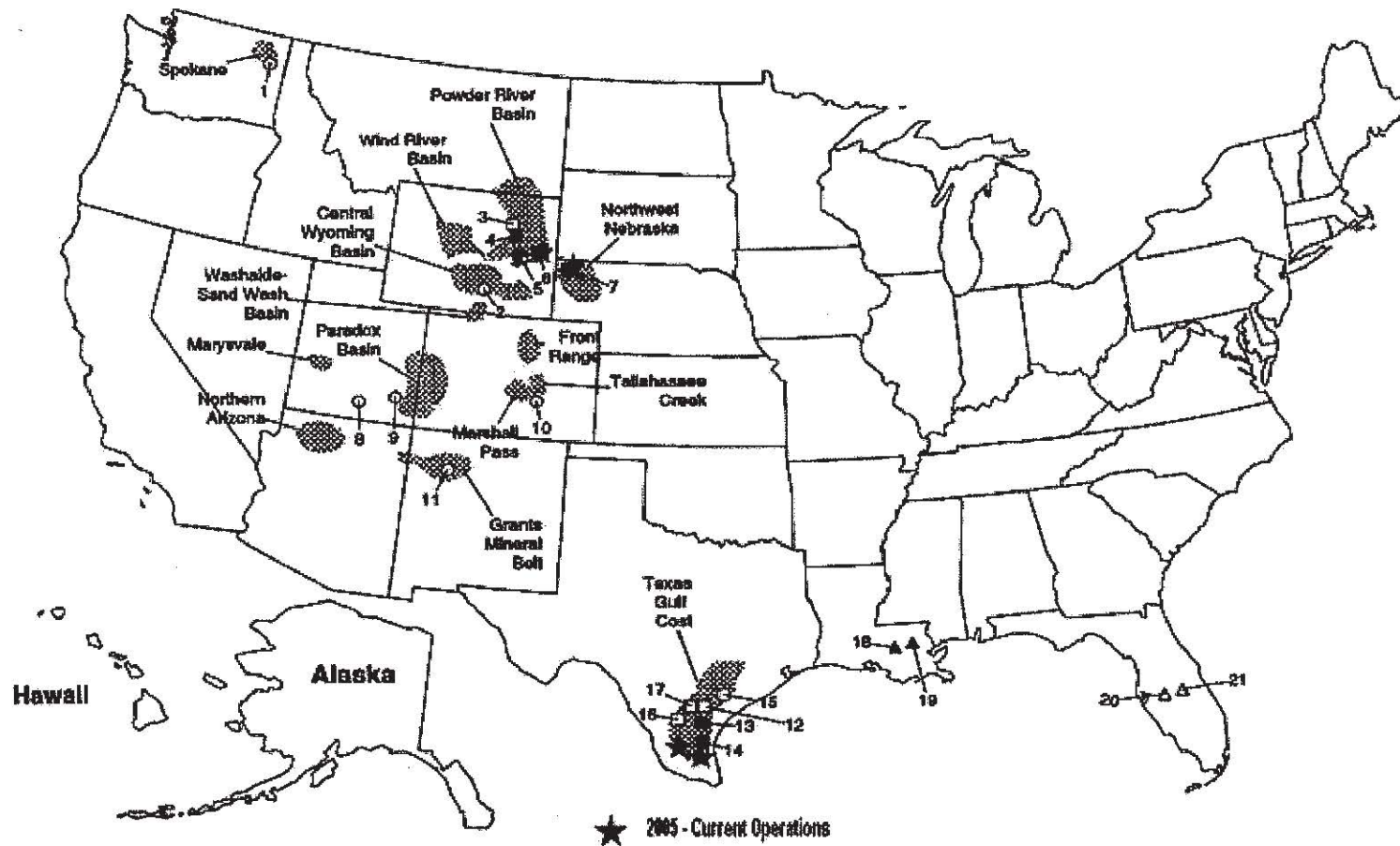


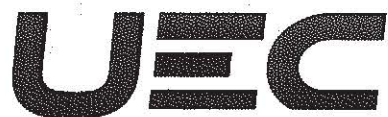


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Uranium Mining Centers in the USA

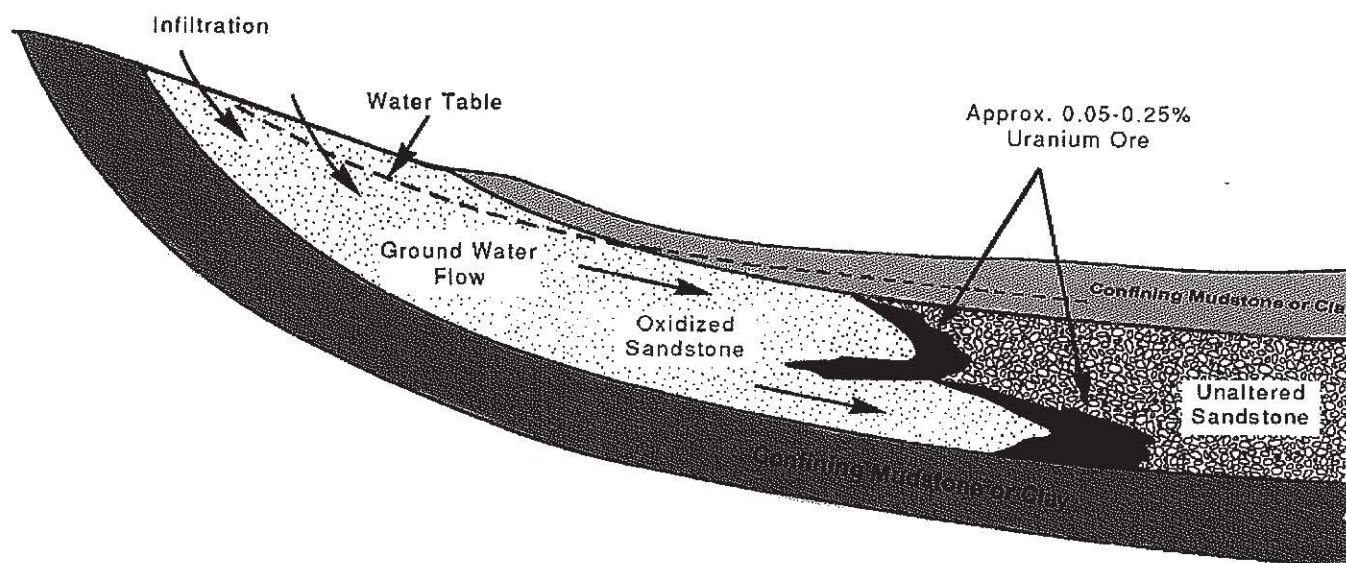




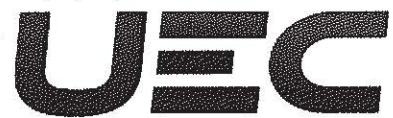
Uranium

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Uranium Depositional Process

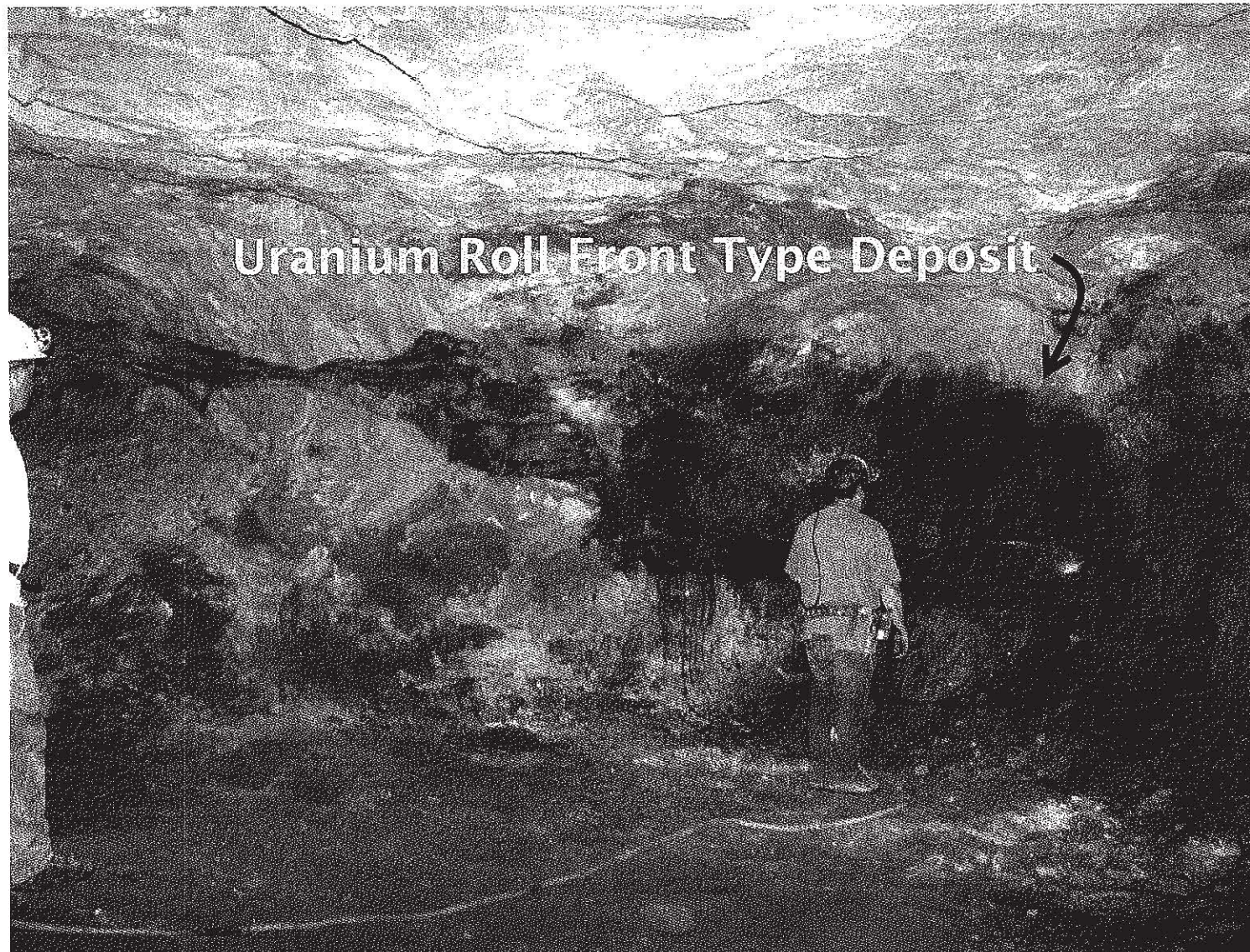


Uranium is ubiquitous and is easily dissolved in the presence of water, oxygen, and carbon dioxide. The source of the uranium is from volcanic actions eons ago originating from the Big Bend area. Tuffaceous soil containing trace amounts of uranium were deposited throughout South Texas and constitute the source. Over geologic time, meteoric rains mix with oxygen and carbon dioxide in the atmosphere and solubilize trace amounts of uranium in the soils. The oxidized waters now containing dissolved uranium flow down-dip through the aquifer until contacting areas where high levels of sulfur in the water is encountered. At this interface the uranium precipitates as a coating on sand grains. After millions of years of this process a uranium ore body is formed.



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Uranium Roll Front Type Deposit



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Regulatory Agencies and Permits required to conduct mining

1. Texas Railroad Commission - Exploration
2. Texas Commission of Environmental Quality– TCEQ – Mining
 - a. Mine Permit and Permit Area Authorizations
 - b. Air Exemption Permit
 - c. Radioactive Material License
3. US Environmental Protection Agency– EPA –
 - a. Aquifer Exemption

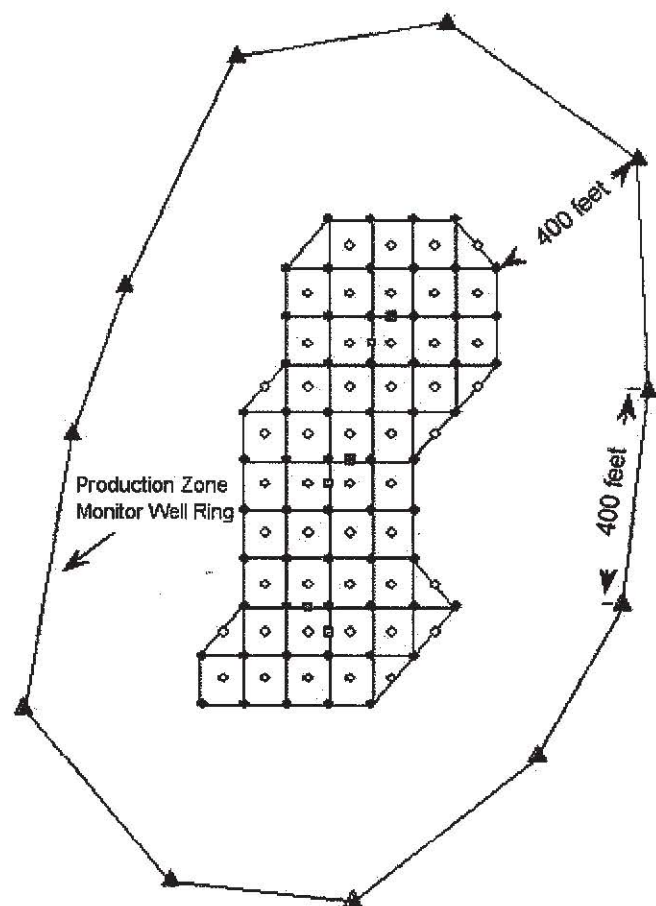
Also Texas Parks and Wildlife, Corp of Army Engineers, and the Texas Historical Office have to approve and sign off.



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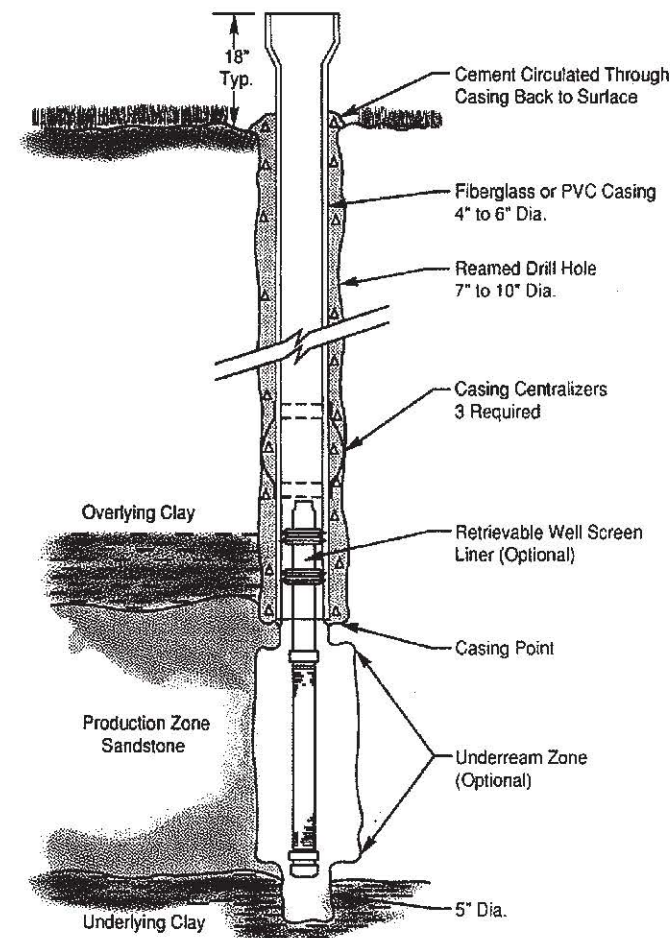
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The Wellfield



- Production Well
- Injection Well
- ▲ Production Zone Monitor Well
- Overlying Aquifer Monitor Well
- ▣ Underlying Aquifer Monitor Well

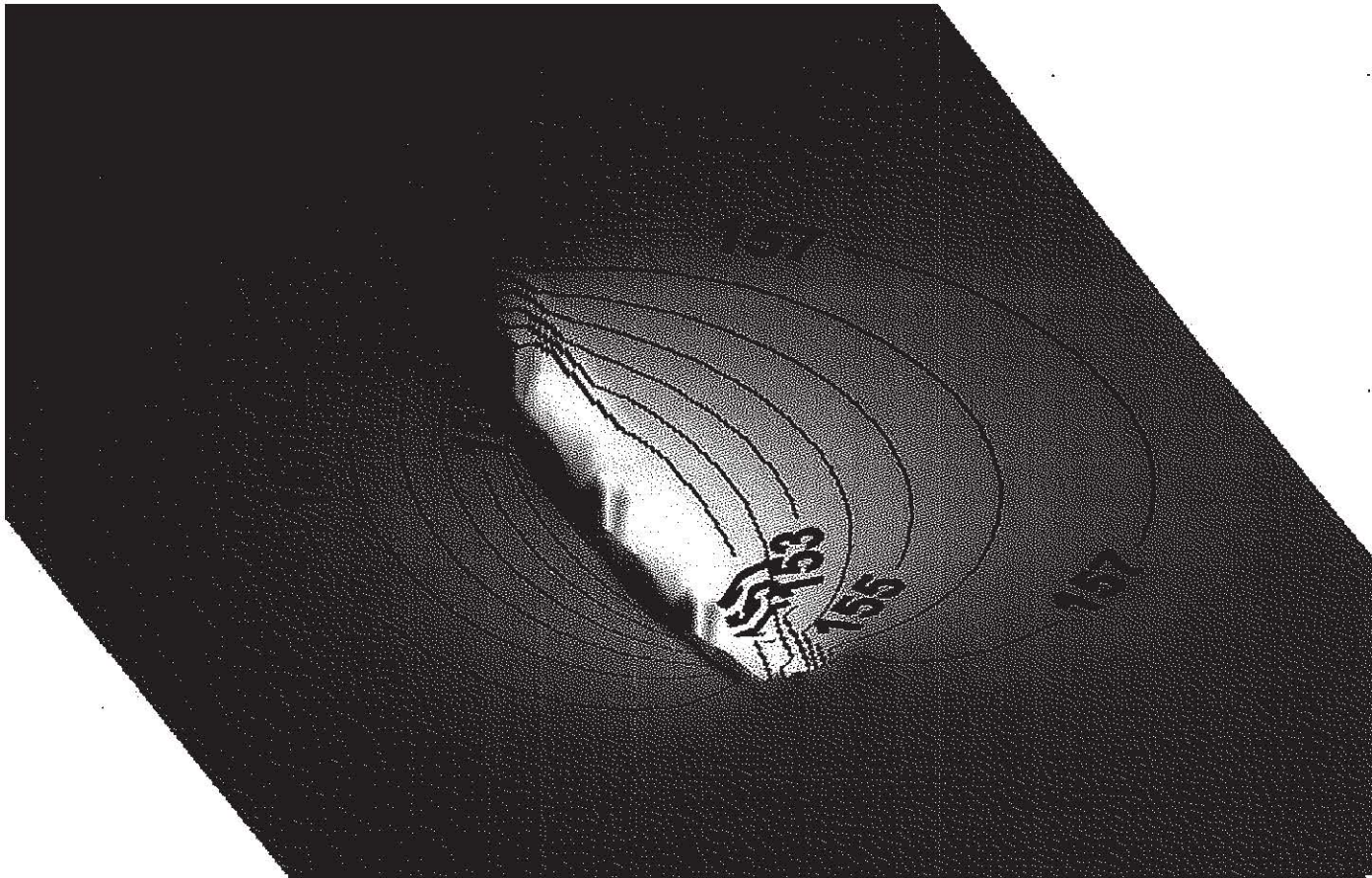
Well Completion Method





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Localize “sink” with groundwater flowing into the center.





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EPA Drinking Water Standards

Typical Premining Water Conc.

Uranium - 0.03 ppm

0.10 – 1.0 ppm

Arsenic - 0.01 ppm

0.03 – 0.1 ppm

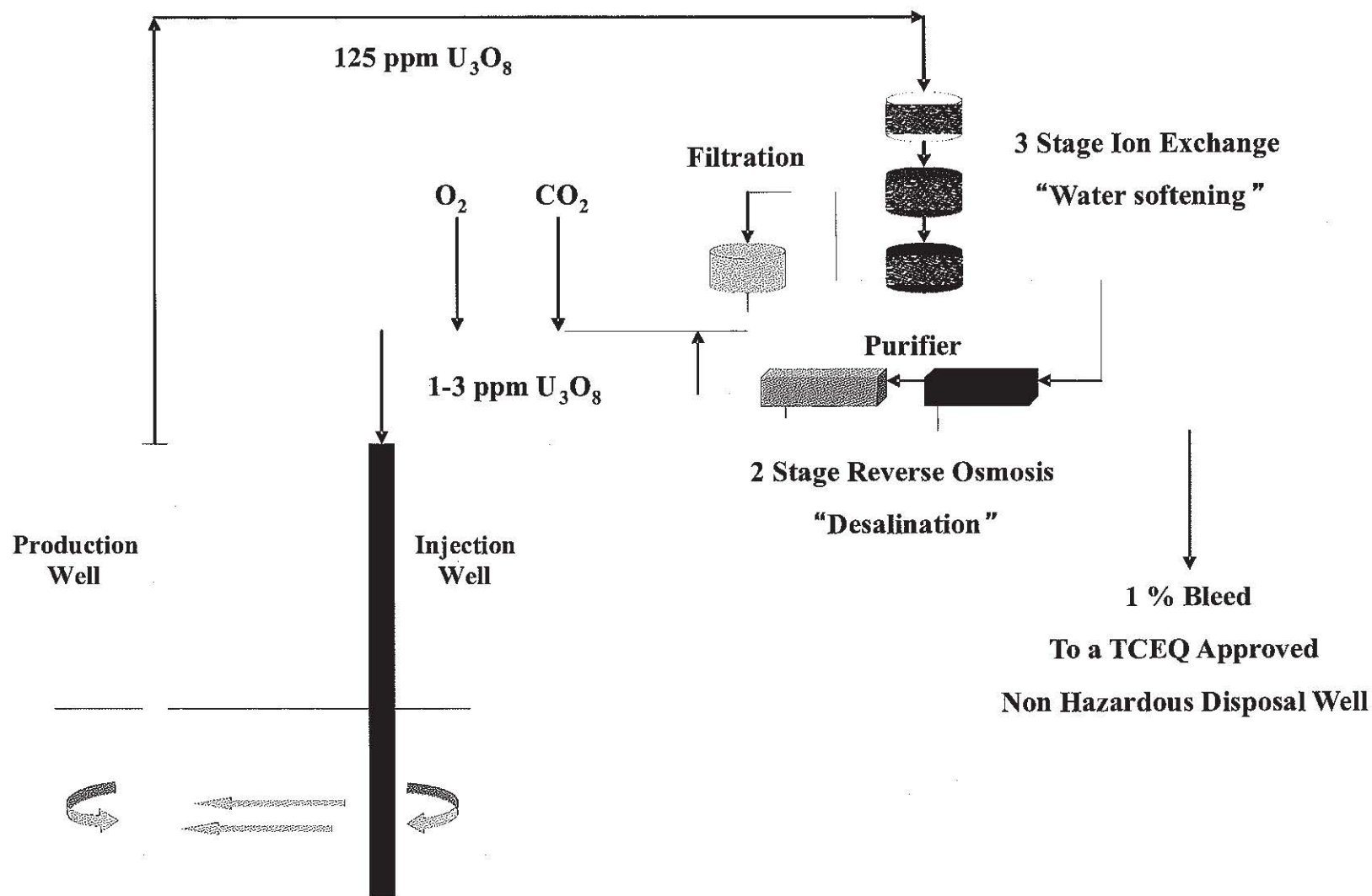
Radium 226 - 5 picocuries/liter

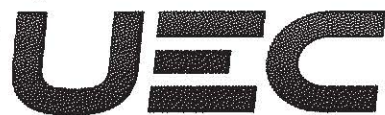
25 - 380 picocuries/liter

Radon - 4,000 picocuries/liter

2,000 – 20,000 picocuries/liter

In-Situ Recovery

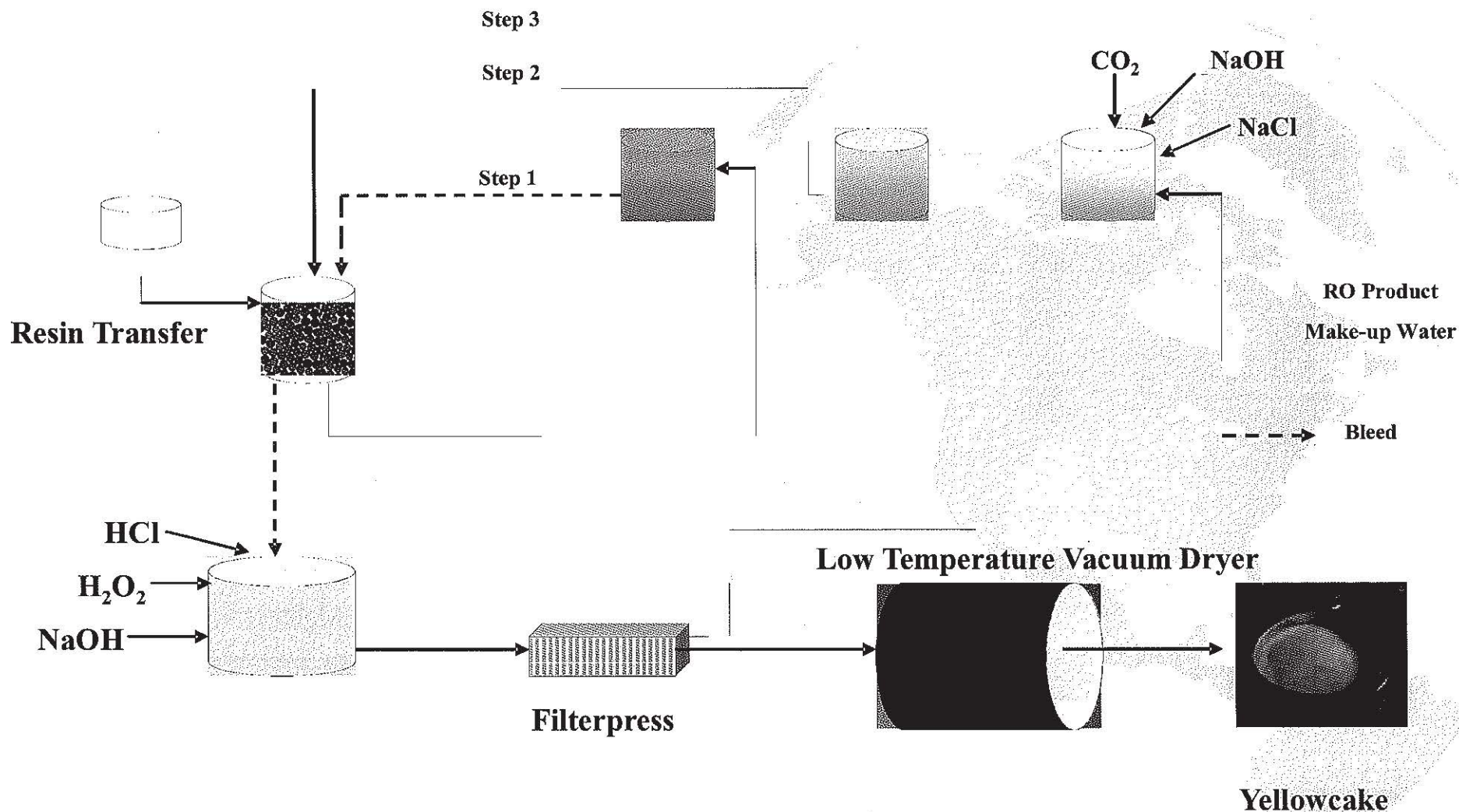




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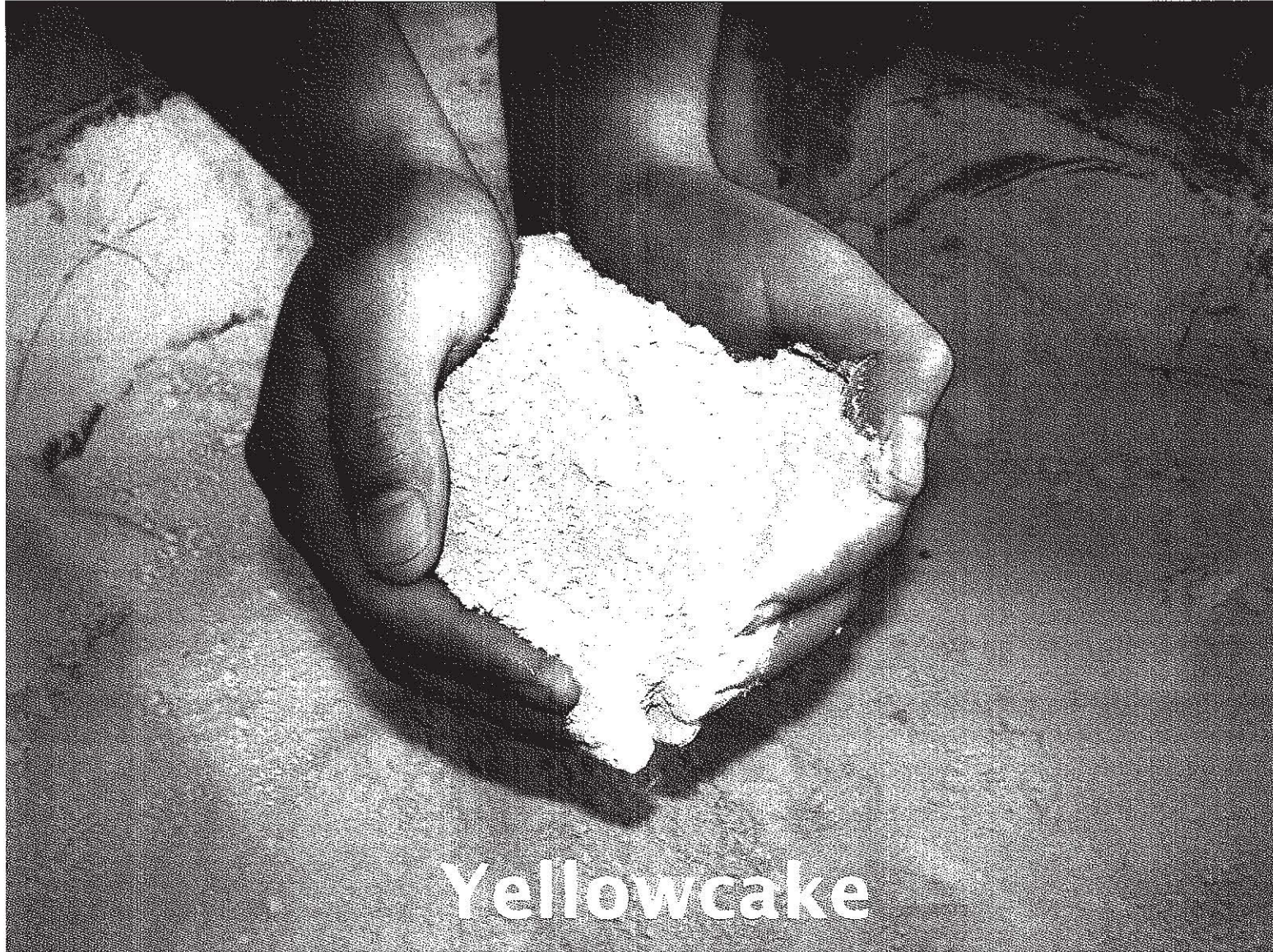
Stripping, Precipitation, and Drying





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Yellowcake



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Groundwater Restoration

After mining, one pore volume of groundwater will be flushed and disposed from the mine area into the operation's nonhazardous disposal well at an approved rate. This action will further collapse the cone of depression surrounding the mine area bringing in fresh water from the surrounding area and removing the bulk of the elevated ions. Water will continue to be pumped from the mine area which will undergo further polishing using Reverse Osmosis (RO) treatment. RO is essentially an ion filter. Filtering out Sulfate (SO_4^{-2}), Calcium (Ca^{+2}), Chloride (Cl^{-1}), Uranyl Oxide (UO_3^{+2}), Bicarbonate (HCO_3^{-1}), and essentially all (98%) dissolved salts, the water produced by this equipment is of drinking water quality. This produced water will be blended with the circulating groundwater until the groundwater quality meets or exceeds the premining use category.

The application of utilizing sulfate reducing bacteria to aid in the restoration of mine waters was conducted at TAMUK in 1994. This technology has been successfully employed at several commercial ISR mines to enhance geochemical precipitation of heavy metals.



Texas Major Aquifers

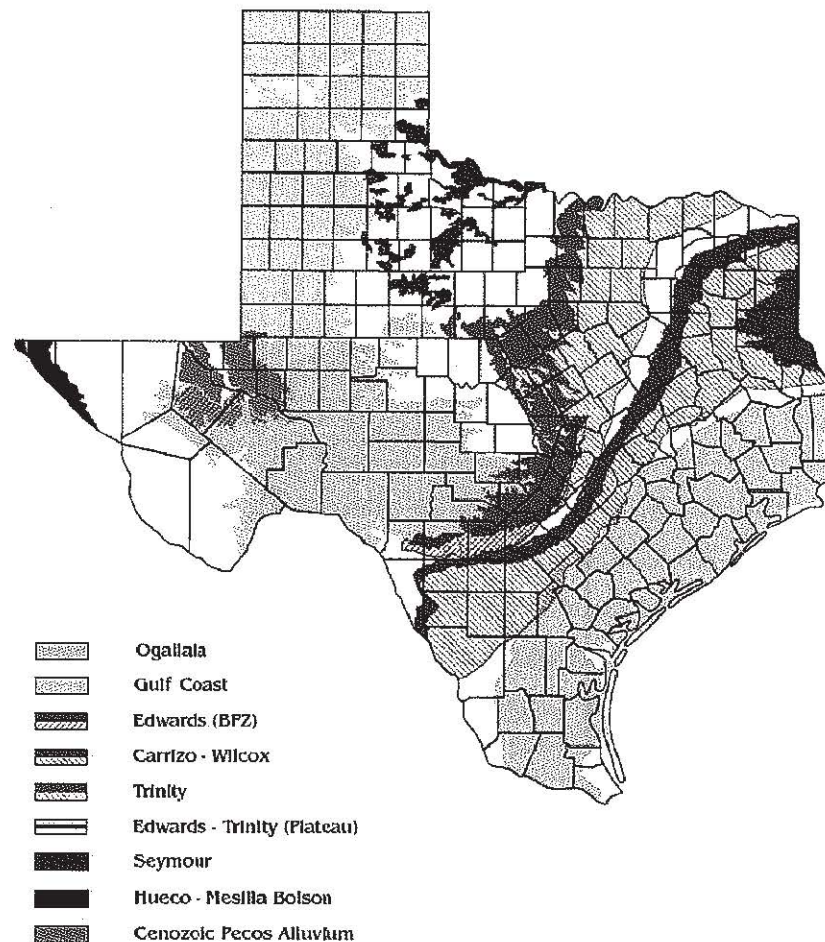


Figure 1. In Texas there are nine major aquifers, which account for 96.3 percent of all groundwater withdrawals in the state.

Texas Water Sources and Uses

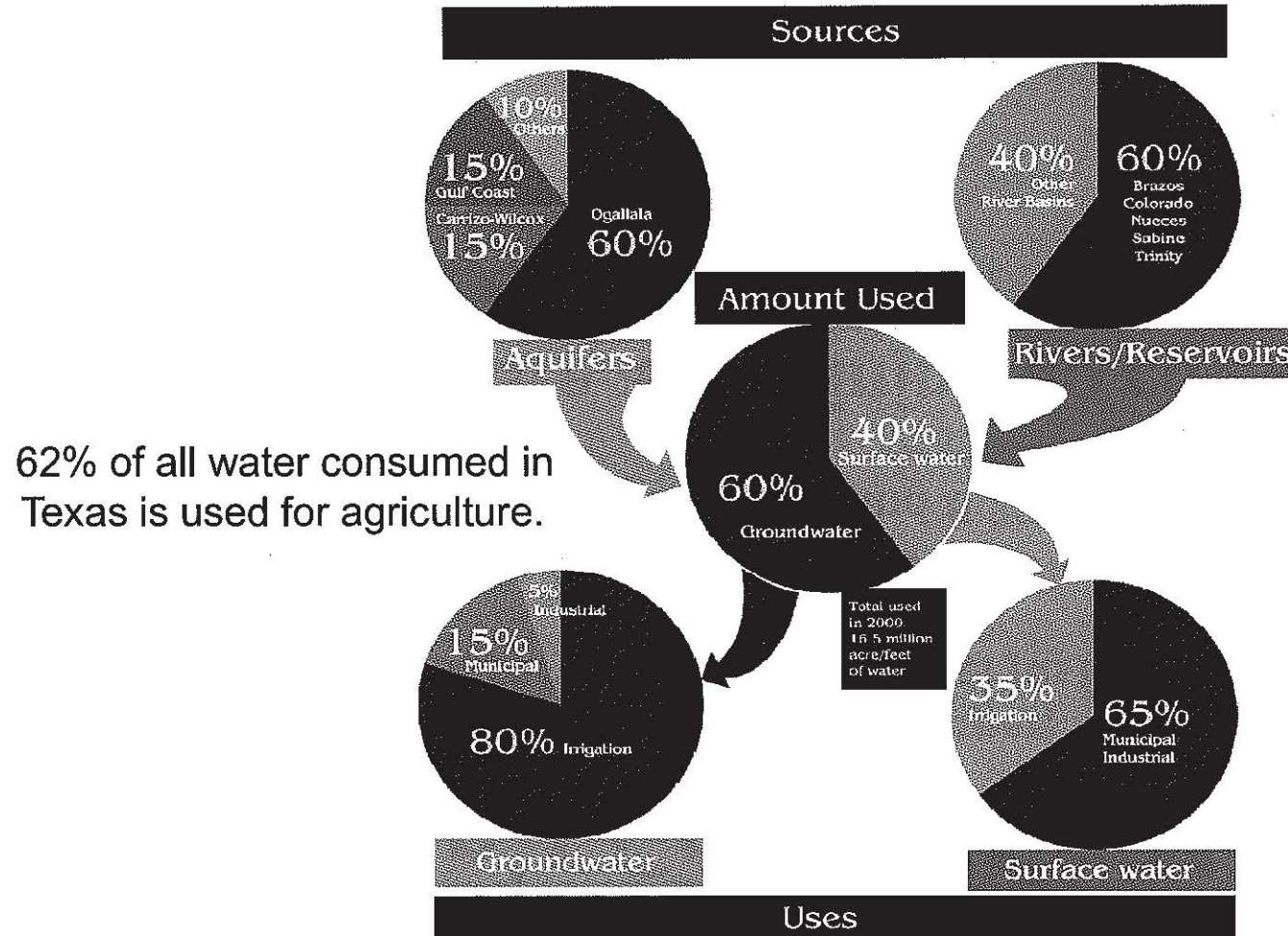
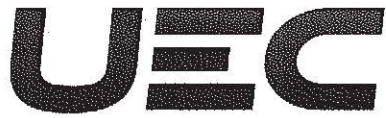


Figure 2. Texas water uses and sources in 2000. Estimated from 1997 and 2002 Texas State Water Plan. Percentages could vary by + or - 5 percent.



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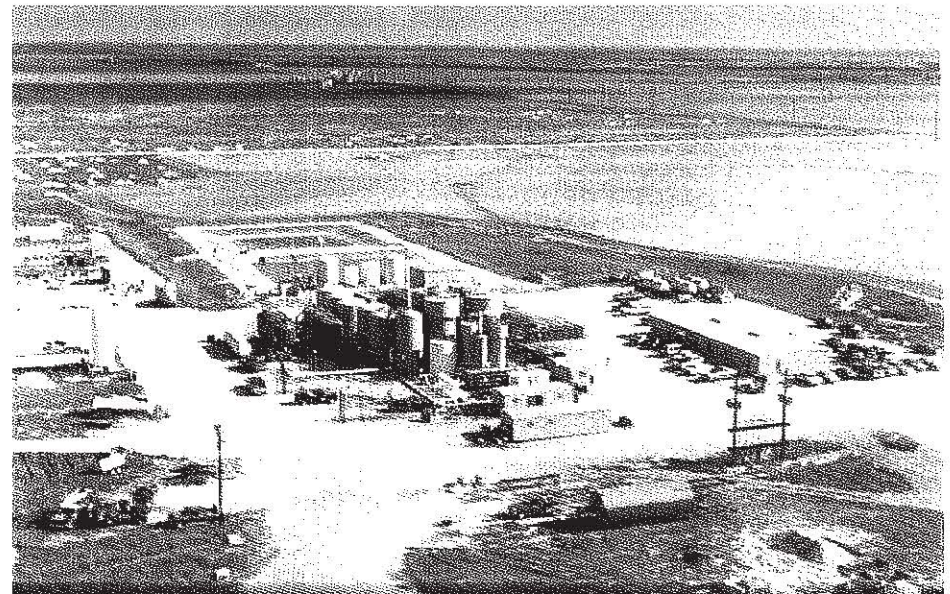
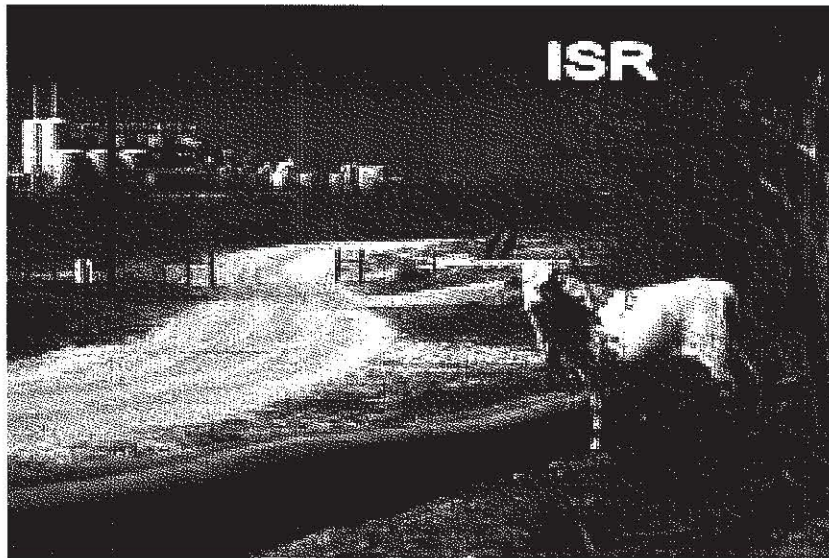
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If it isn't Grown, It's Mined!

Iron, aluminum, silica, oil & gas, tin, copper, tungsten, molybdenum, vanadium, chromium, coal, gravel just to name a few.

Every American uses 45,500 pounds of newly mined minerals a year.
This includes 3.7 tons of coal and 0.25 pounds of uranium.

Agriculture and mining do co-exist.



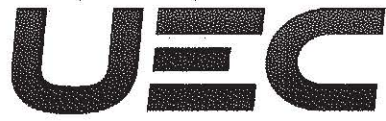


Positive impact from industry

- ◆ High paying jobs = more dollars circulating throughout the community.
- ◆ Taxes paid to the School District and County.
- ◆ Community Involvement and Participation.
- ◆ Purchasing from local businesses.
- ◆ Hiring locally.

UEC's contribution to the community

- ◆ Provide free water sampling within 1 kilometer of any of its projects.
- ◆ Contribute this information to the GCGCD at no cost to further their database on water quality within the county.
- ◆ Water analyses will define where "bad" water exists which is not being analyzed currently.
- ◆ UEC pledges to purchase locally and use local labor to build and operate its facilities.



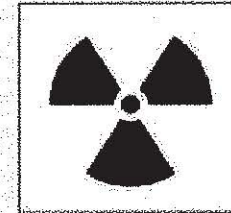
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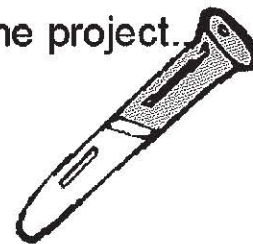
- **If “mining” is a beneficial use of water** as defined by the GCGCD: Texas Water Development Board; and the Texas Commission on Environmental Quality, then what other issues remain that we need to address?

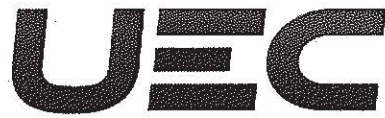
▪ The “U” word – URANIUM – Radiation???

Uranium has a very long half-life which means that it is barely radioactive. Also it is an alpha emitter which means this form of radiation cannot penetrate paper.



Radon -- It is anticipated that approximately 200 curies of radon will be released annually. This equates to 0.13 ml of radon gas at standard temperature and pressure for the entire year. Less than a test tube amount. You can imagine how 1/3 milliliter of gas over an entire year is easily dispersed and is not detected above baseline within several hundred feet of the project.





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Four water droplets are arranged vertically on the left side of the page, with the top one slightly to the right of the others.

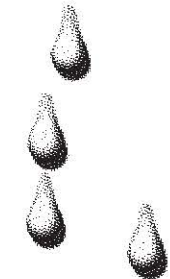
If Radiation not an issue, is in-situ recovery and groundwater restoration the concern?

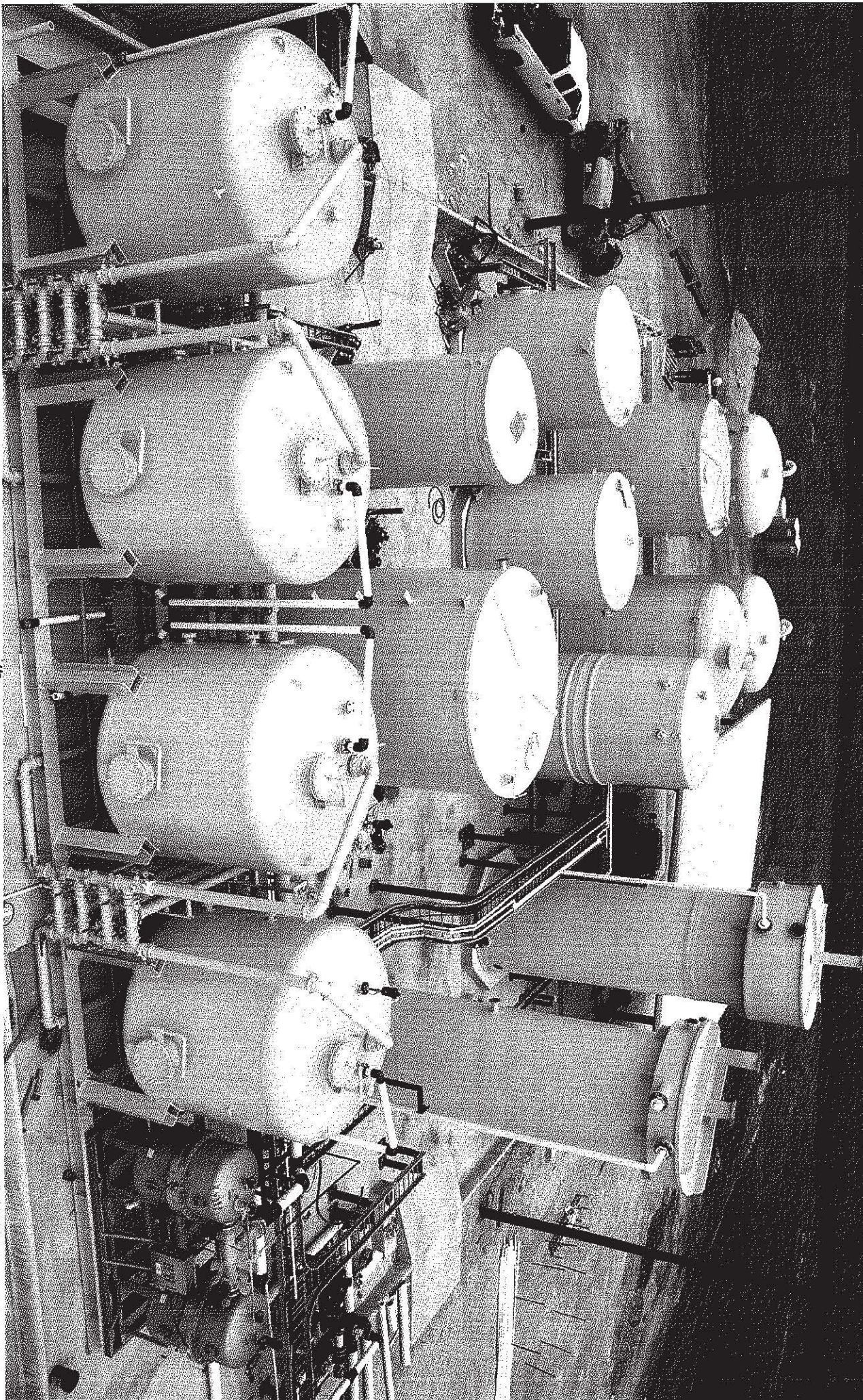
Oxygen and **CO₂** are the two main ingredients (gases) used in in-situ recovery. The solution is very selective in just dissolving the uranium mineralization. There will be a slight buildup of calcium (**Ca⁺²**), sulfate (**SO₄⁻²**), and bicarbonate (**HCO₃⁻**) ions during active mining.

We are proposing using desalination and ion exchange from the beginning to restore the mine waters as we mine, and also during the active restoration phase to remove these same ions. This will:

Retard the build up of these ions during mining,
Allow for a faster restoration after recovery has been completed,
Pure drinking water will be returned to the groundwater until its quality is consistent with baseline.

This technology has over 30 years of successful experience. **Never** has a single public, or private, well been harmed or contaminated.

Four water droplets are arranged vertically on the right side of the page, with the top one slightly to the right of the others.

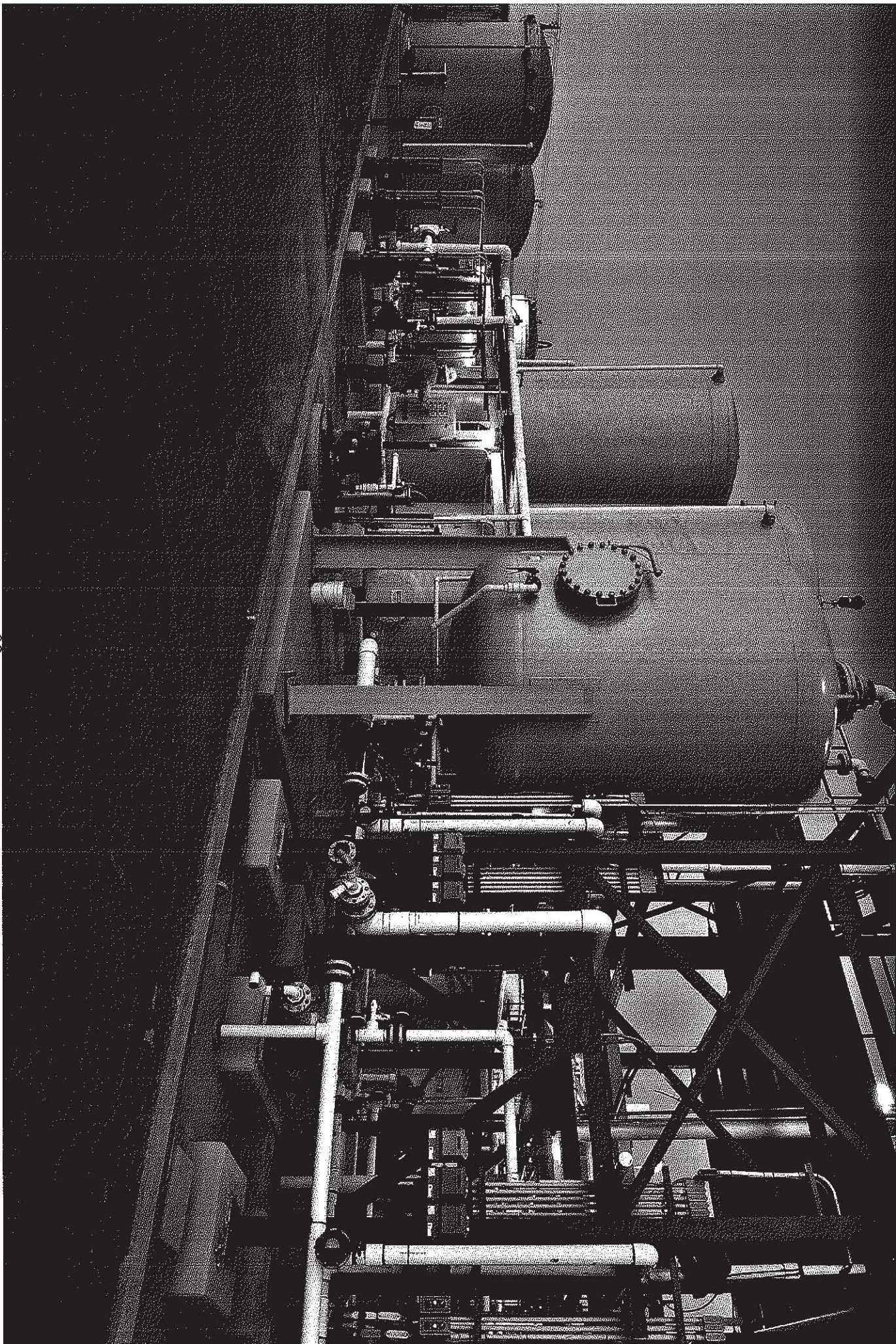


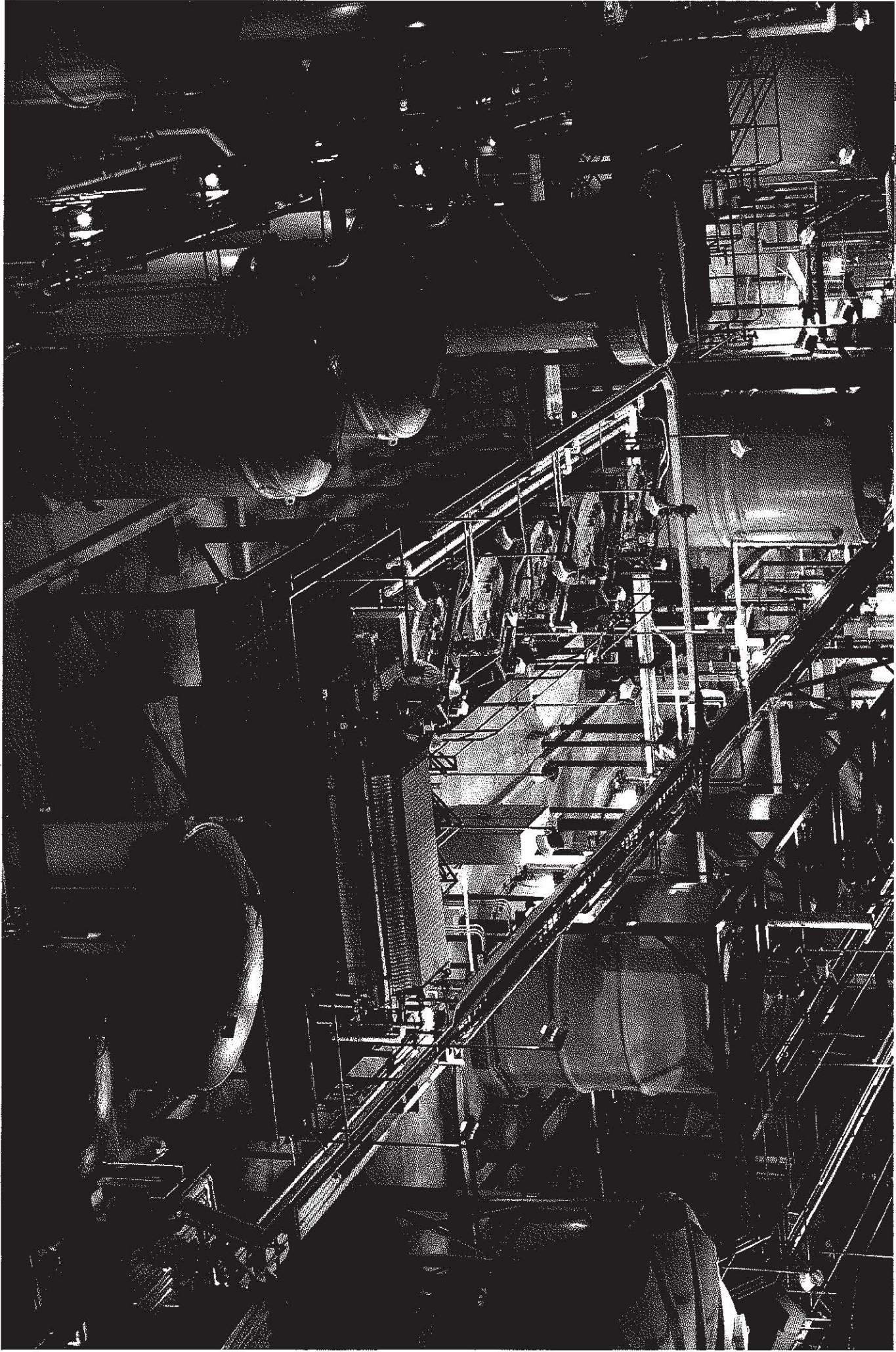




**RECLAIMED
SITES**







UEC

Uranium Energy Corp

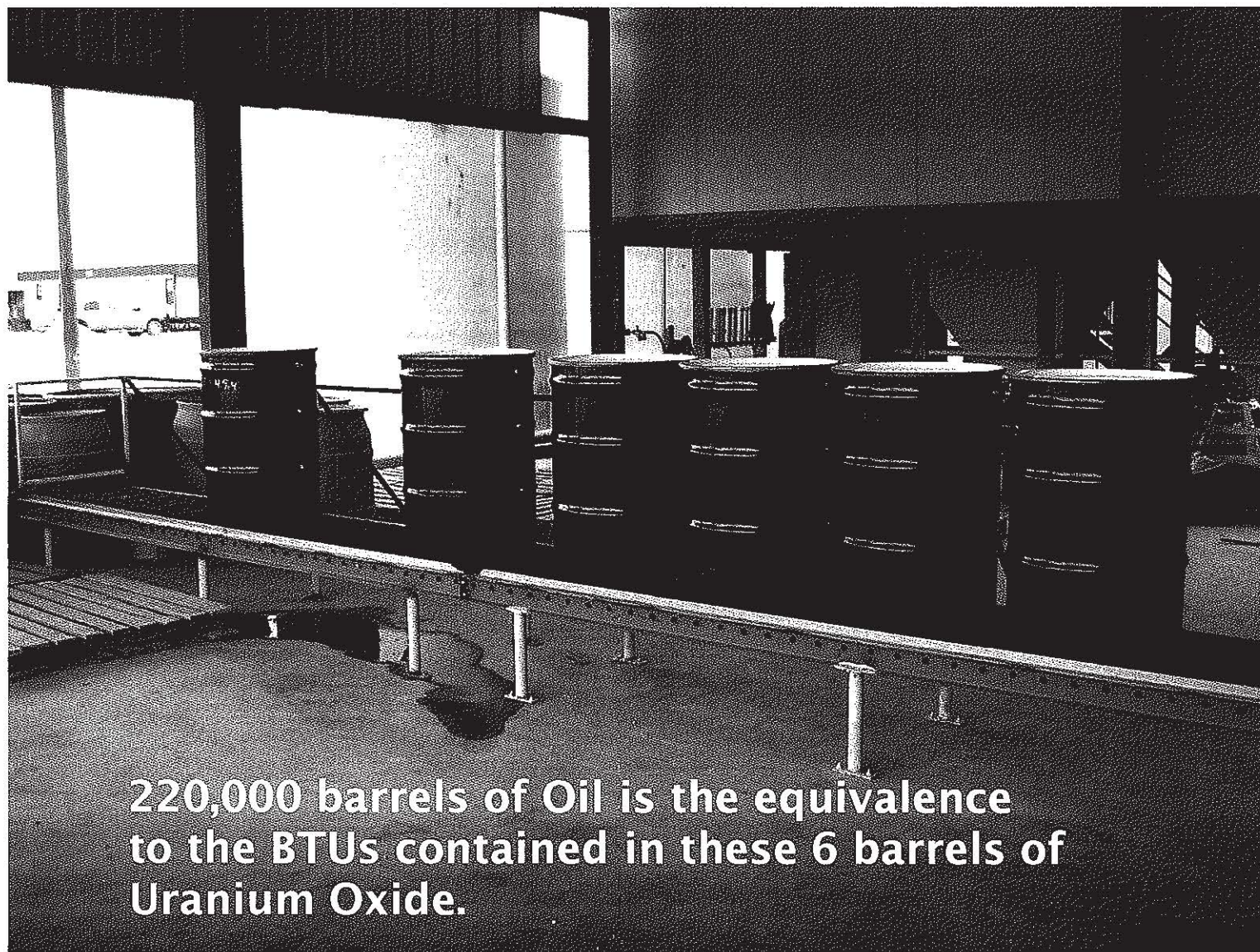
DEVELOPING ALTERNATIVE ENERGY FOR AMERICA





Uranium Energy Corp

DEVELOPING ALTERNATIVE ENERGY FOR AMERICA



220,000 barrels of Oil is the equivalence
to the BTUs contained in these 6 barrels of
Uranium Oxide.



Uranium Energy Corp

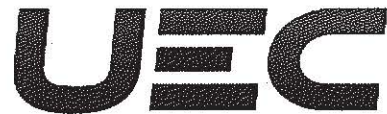
DEVELOPING ALTERNATIVE ENERGY FOR AMERICA

Benefits and Facts:

- Employment ~ 80 employees and contractors
- Tax Base – County and School District
- Retail and Industrial Sales

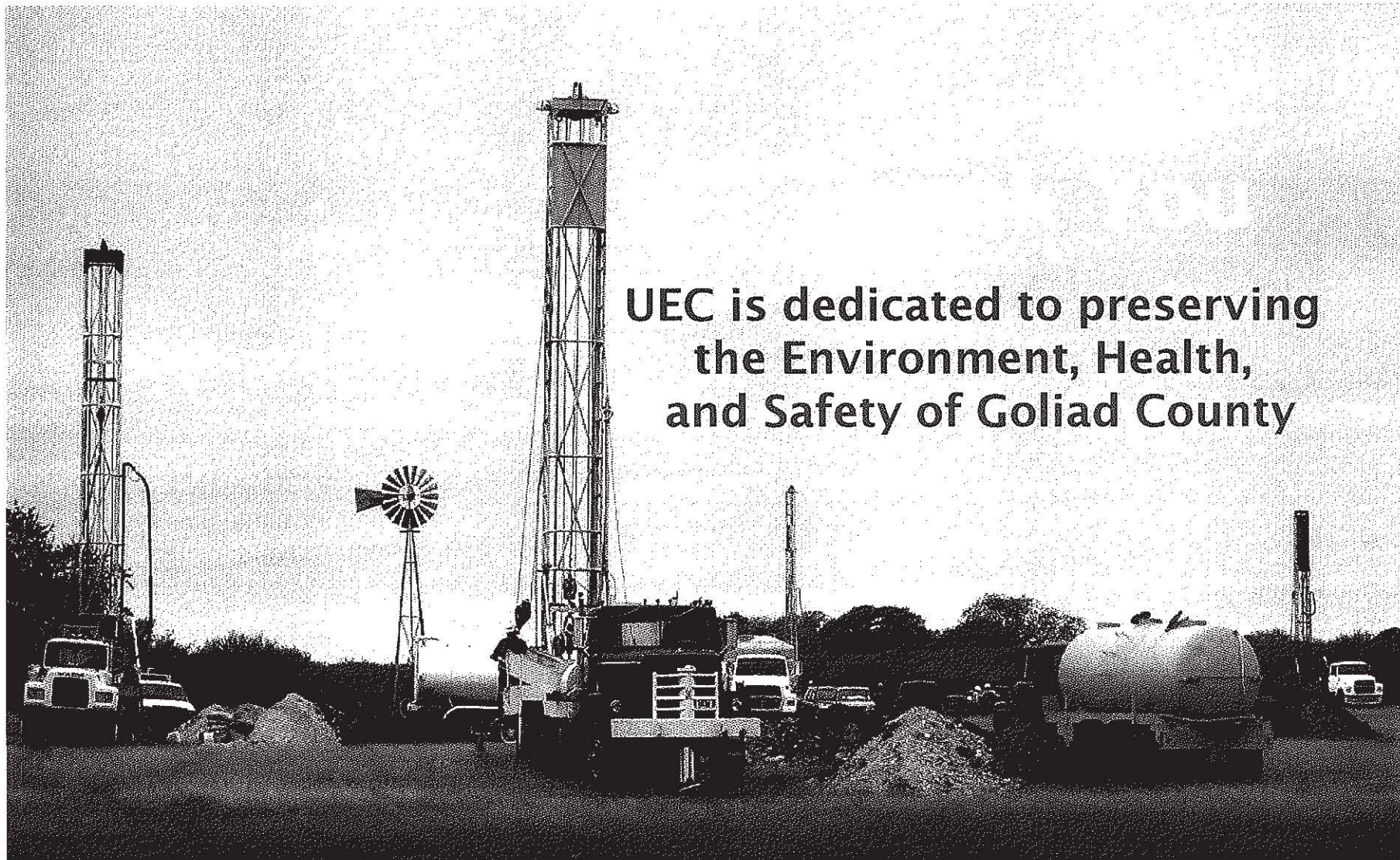
Vehicles, pvc pipe, vehicle repair, electrical,
plumbing supplies, fuel, drilling contractors, etc.

- Environmentally friendly
- No surface destruction
- Negligible use of water.
- The process is tested over 30 years of safe operations at 26 different locations in Texas.
- **No private or public wells have ever been contaminated by this process.**
- It is a safe, environmentally benign way of recovering a strategic mineral needed for America to insure its Energy Independence.



Uranium Energy Corp

DEVELOPING ALTERNATIVE ENERGY FOR AMERICA



**UEC is dedicated to preserving
the Environment, Health,
and Safety of Goliad County**



Reclaimed ISR Sites of South Texas

Successful Legacy of In-Situ Recovery

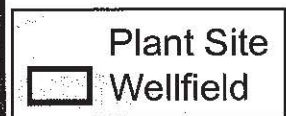
One of the best kept secrets in Texas is that uranium has been continually mined since the late 1950s. Uranium mining was initially conducted by open-pit mining followed by conventional milling to produce "yellowcake" which is harnessed to produce electrical energy in nuclear power plants.

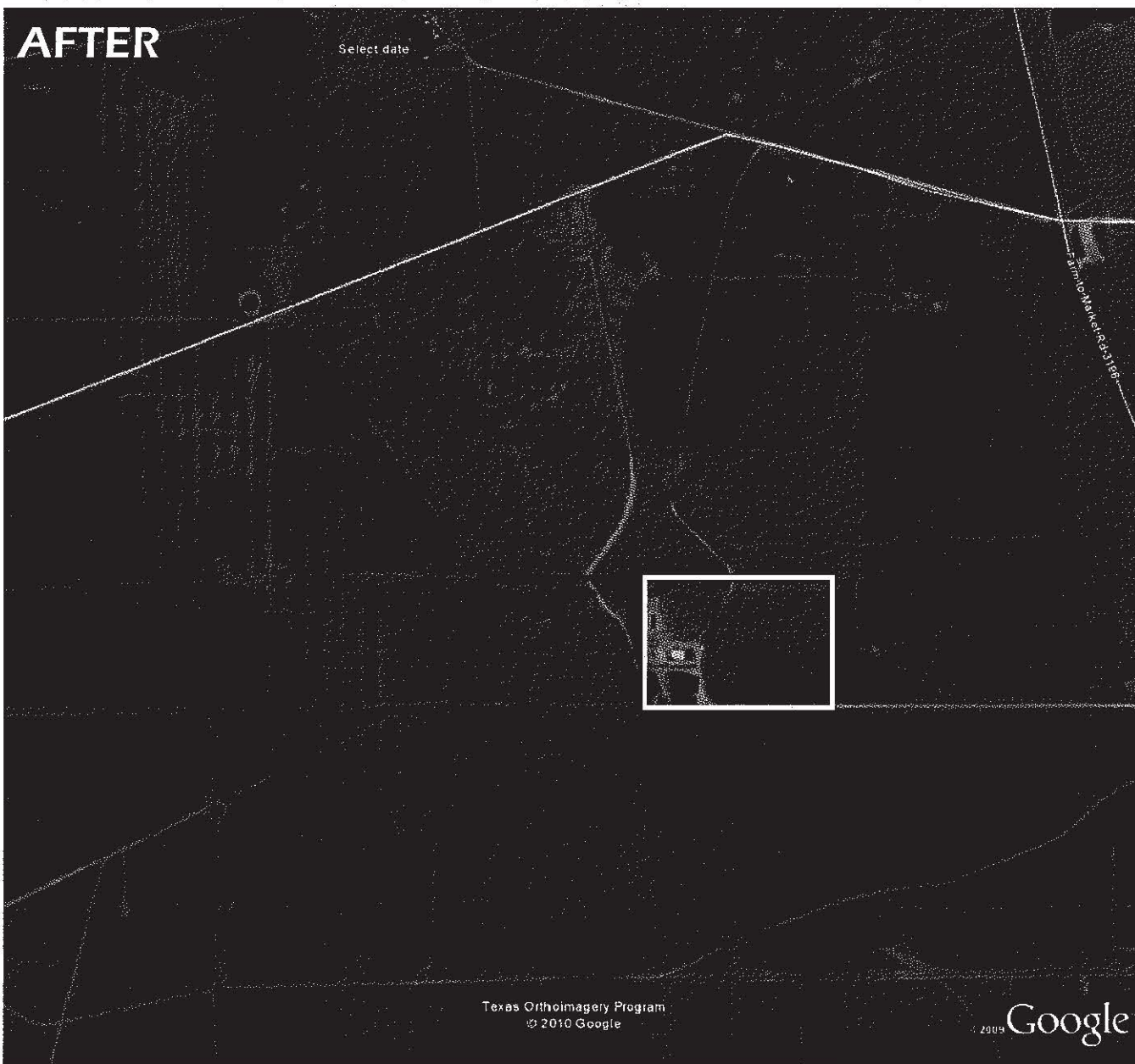
In the early 1970s, a new environmentally sensitive means of extraction was developed in South Texas addressing concerns about the disturbance of the surface of the land, dewatering portions of the aquifer to enable men and equipment to work beneath the surface, and later forming vast areas of mill tailings from the processing of ores. It was at this time that South Texas gave birth to ***In-Situ Recovery (ISR)*** and has ever since been the ISR capital of the western world.

The following images were compiled from archived and recent photographs, as well as satellite imagery over a decade of licensed ISR operations in South Texas. In each case, groundwater was restored consistent with baseline quality and approved by the Texas Commission of Environmental Quality (TCEQ). Subsequently each wellfield and all associated physical structures and equipment were reclaimed and the land returned to the surface owner for "unrestricted use." Surface reclamation was regulated and final approval was overseen and approved by the TCEQ. The illustrations presented show either cleared land supporting cattle operations and/or reclaimed brush suitable for nature habitat to populate.

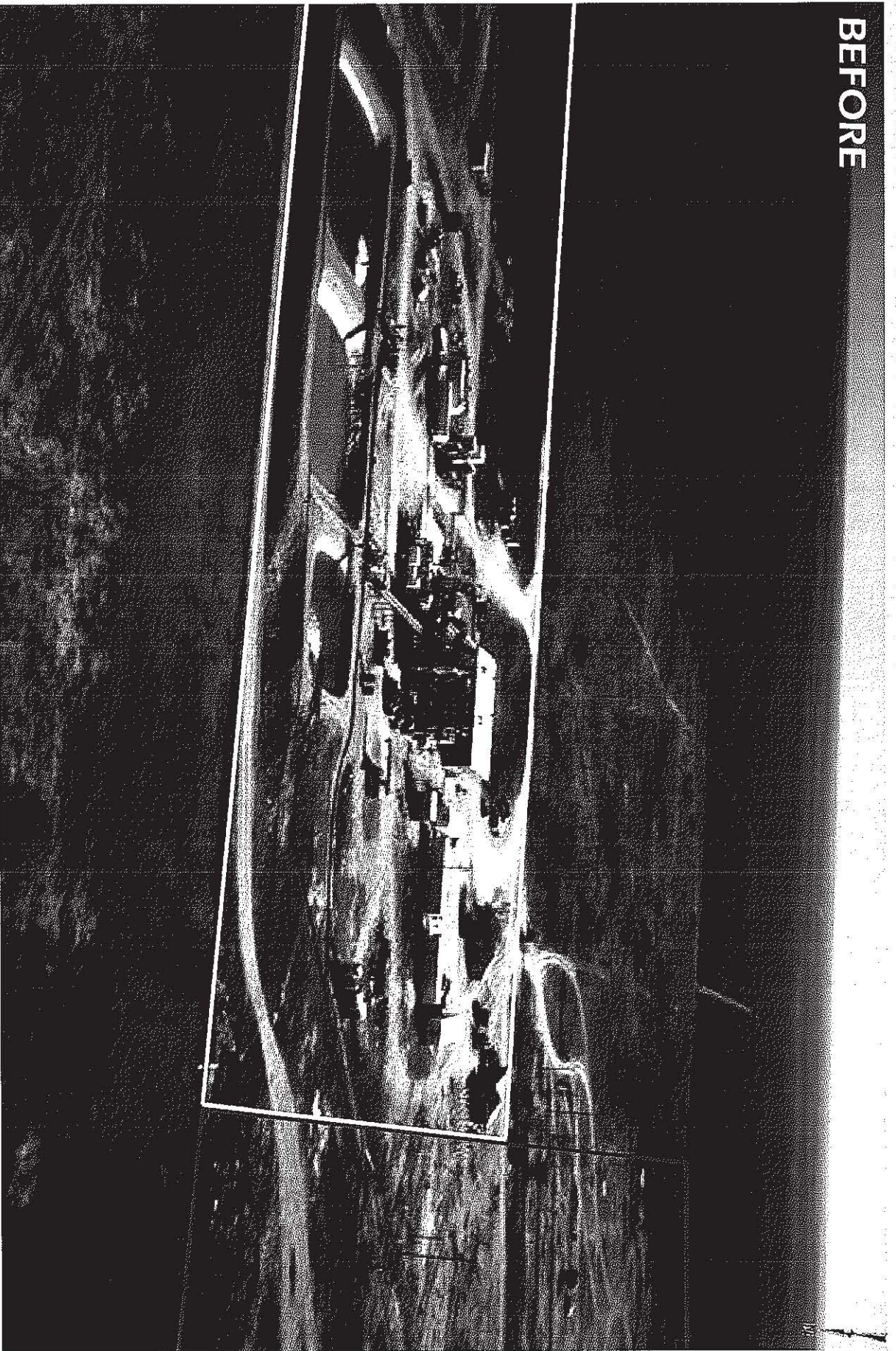
Unless you were intimately associated with one of the projects illustrated in the following pages and knew its original location, the existence of prior mining in all these examples is non-detectable.

***These are successful mining legacies that are quietly
unheralded, and optically undetected for all the obvious reasons.***





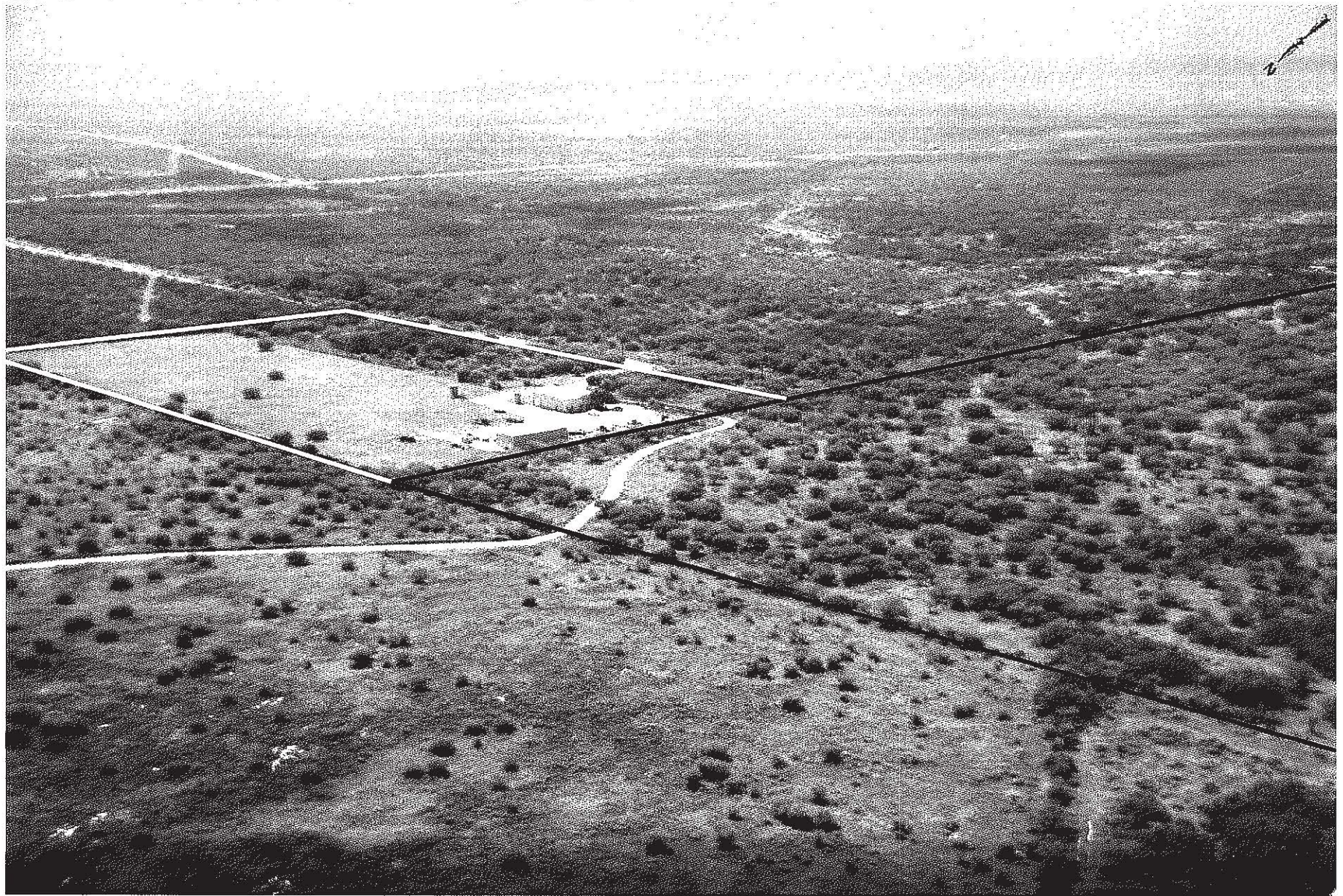
BEFORE



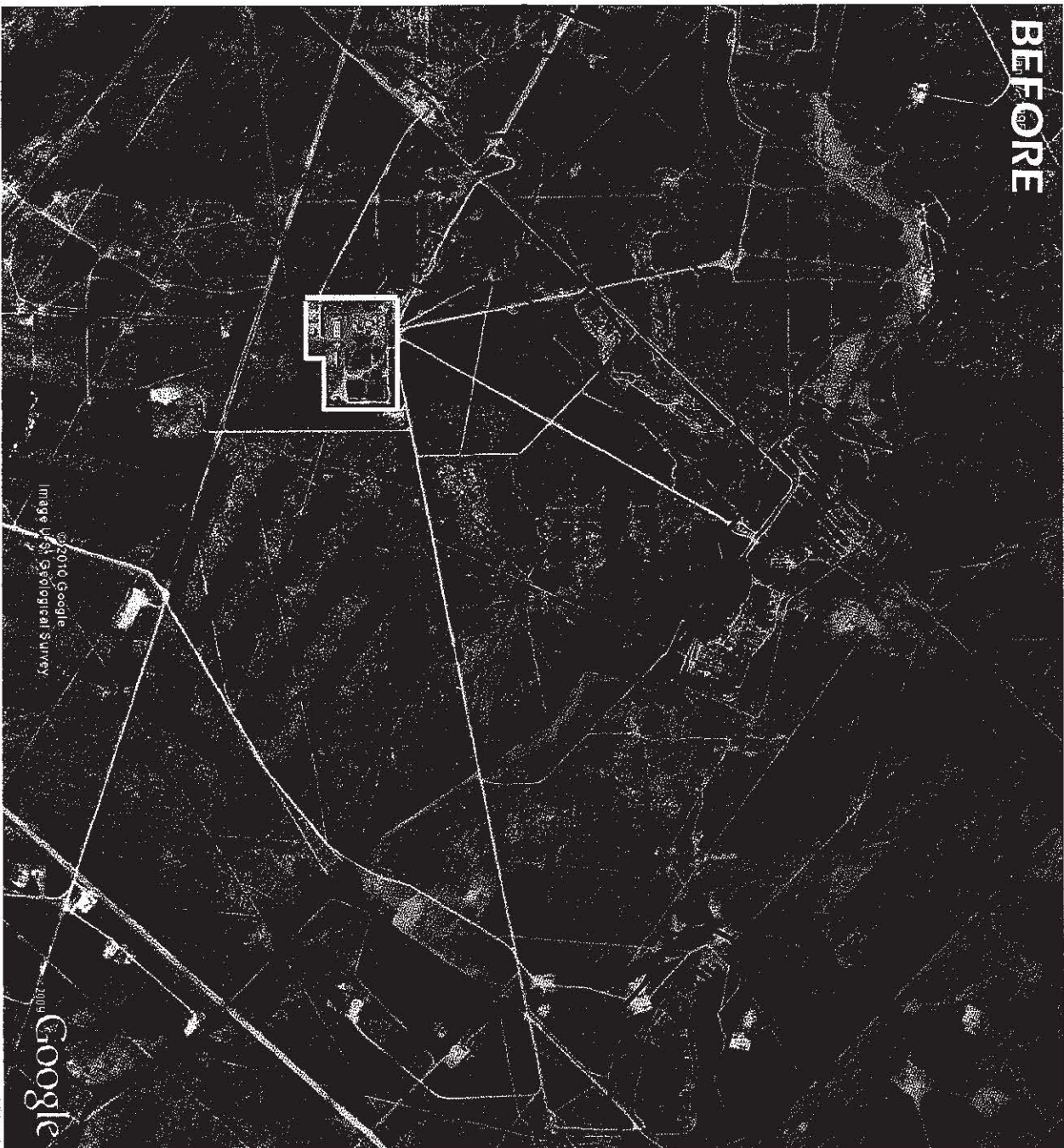
UCC
Uranium Energy Corp

UCC, Palangana 1976

☐ Plant Site
☐ Wellfield

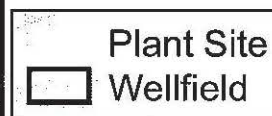
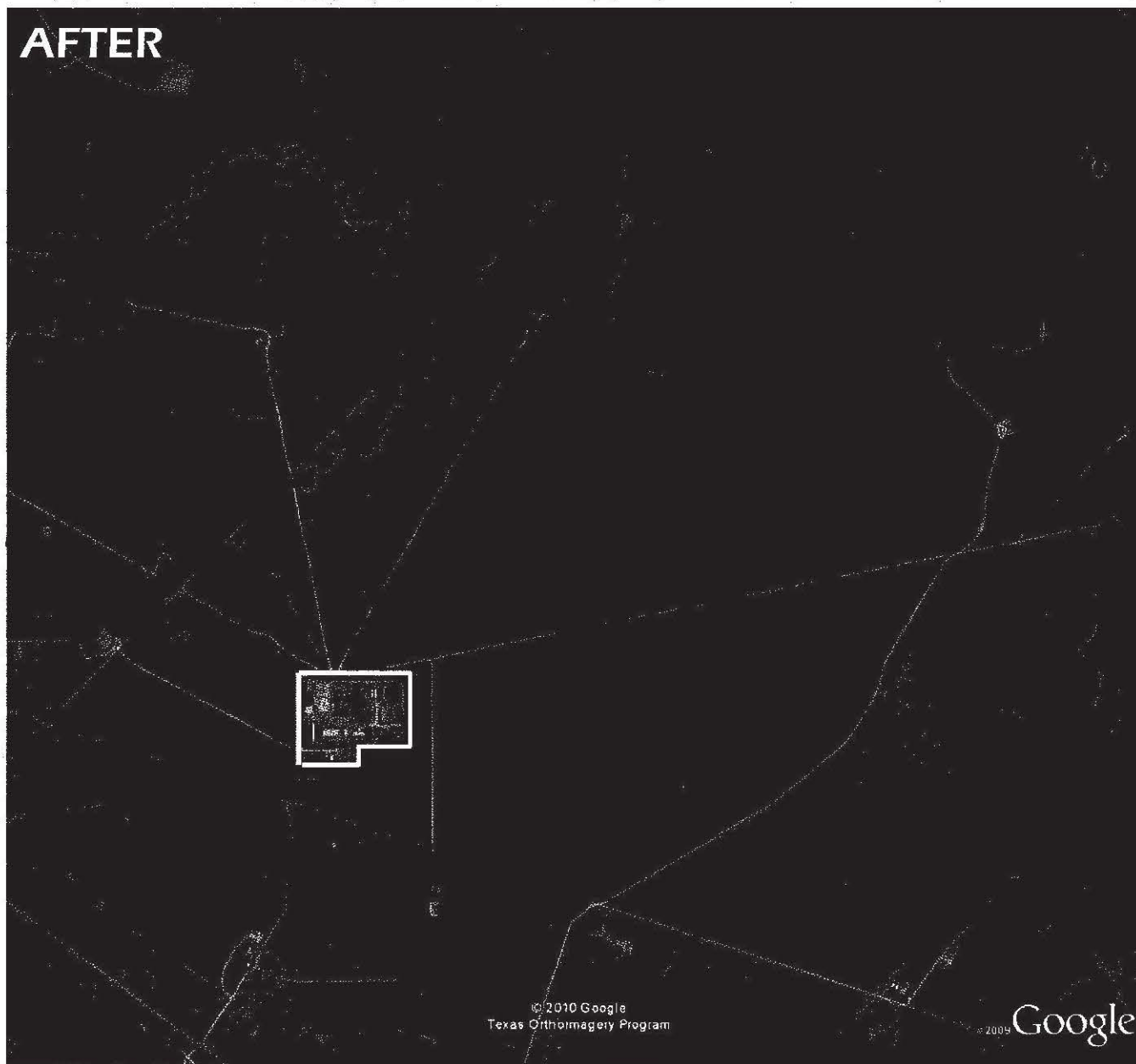


BEFORE



Plant Site
Wellfield

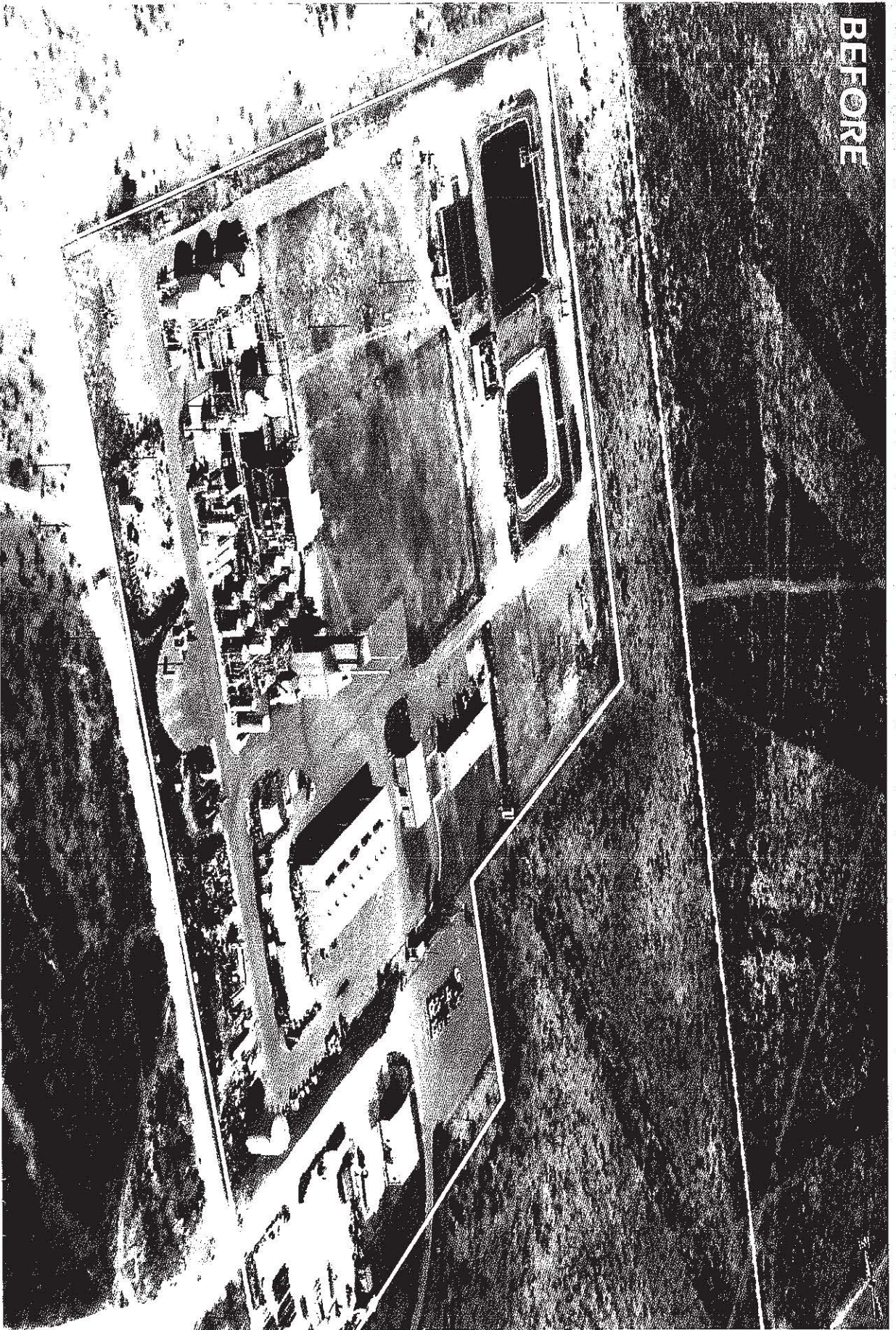
AFTER



© 2010 Google
Texas Orthoregistry Program

Google

BEFORE



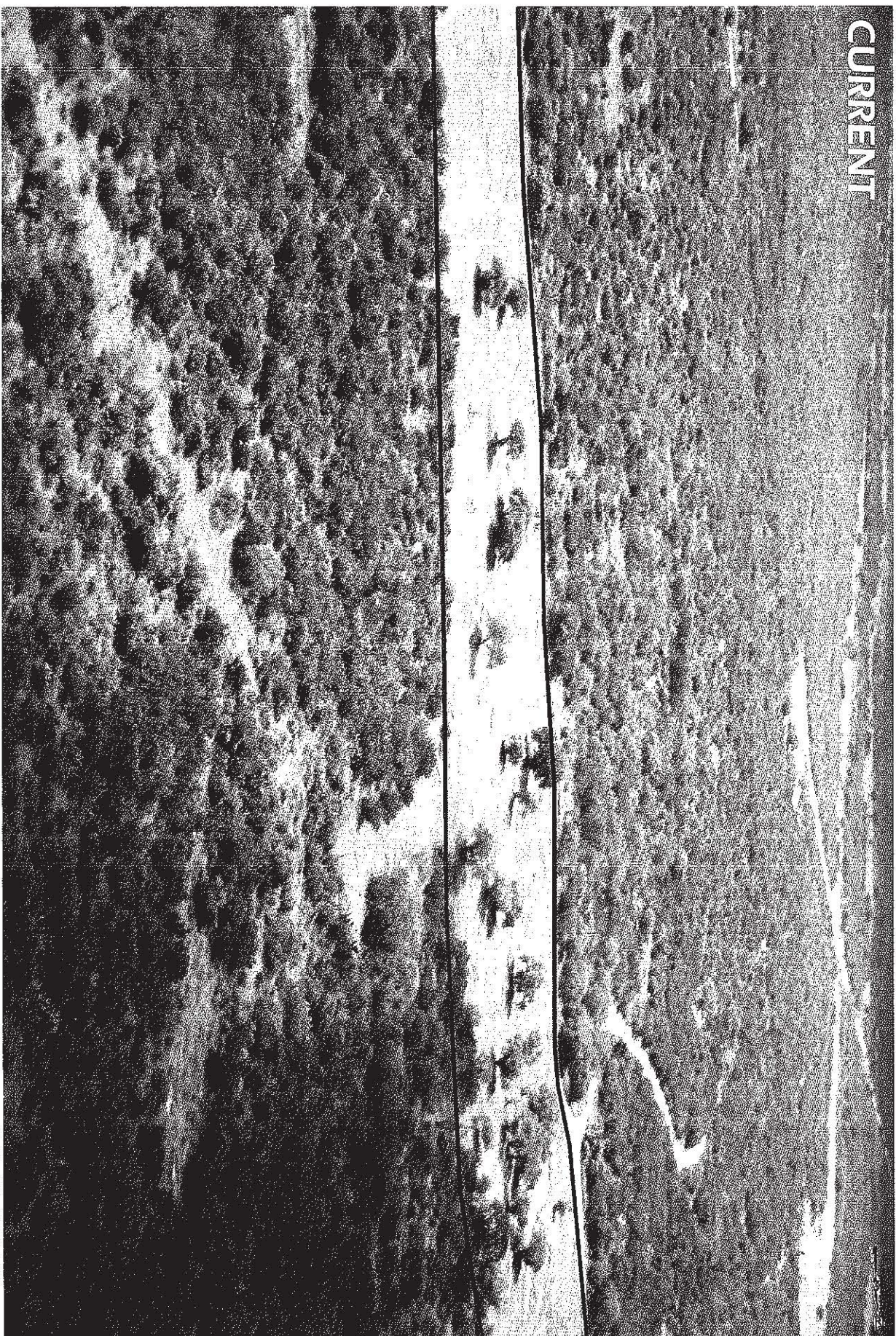
UEC
Uranium Energy Corp

Holiday El-Mesquite 1990

☐ Plant Site
☐ Wellfield



CURRENT



UEC
Uranium Energy Corp

Holiday El-Mesquite 2010

☐ Plant Site
☐ Wellfield



BEFORE

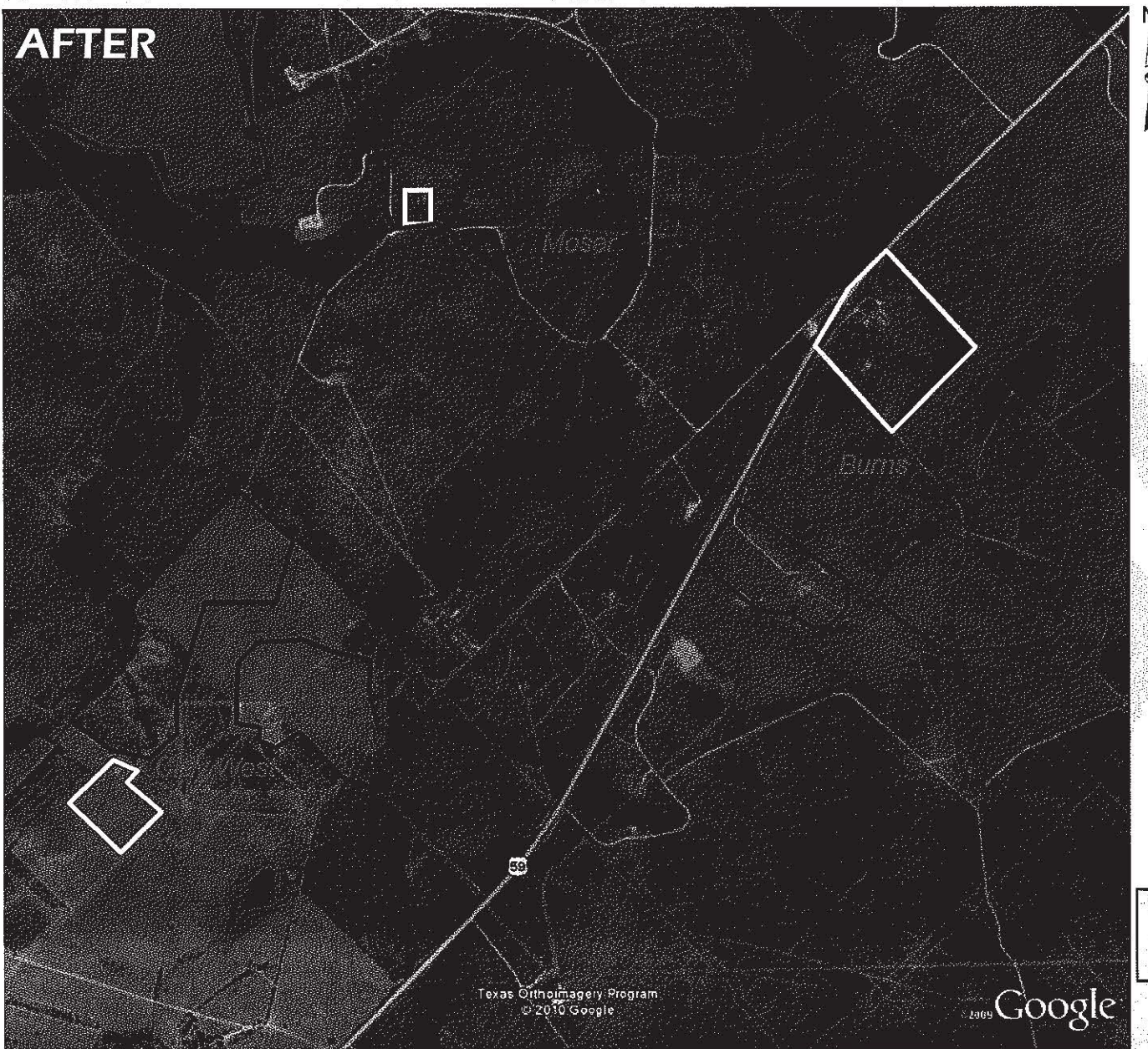


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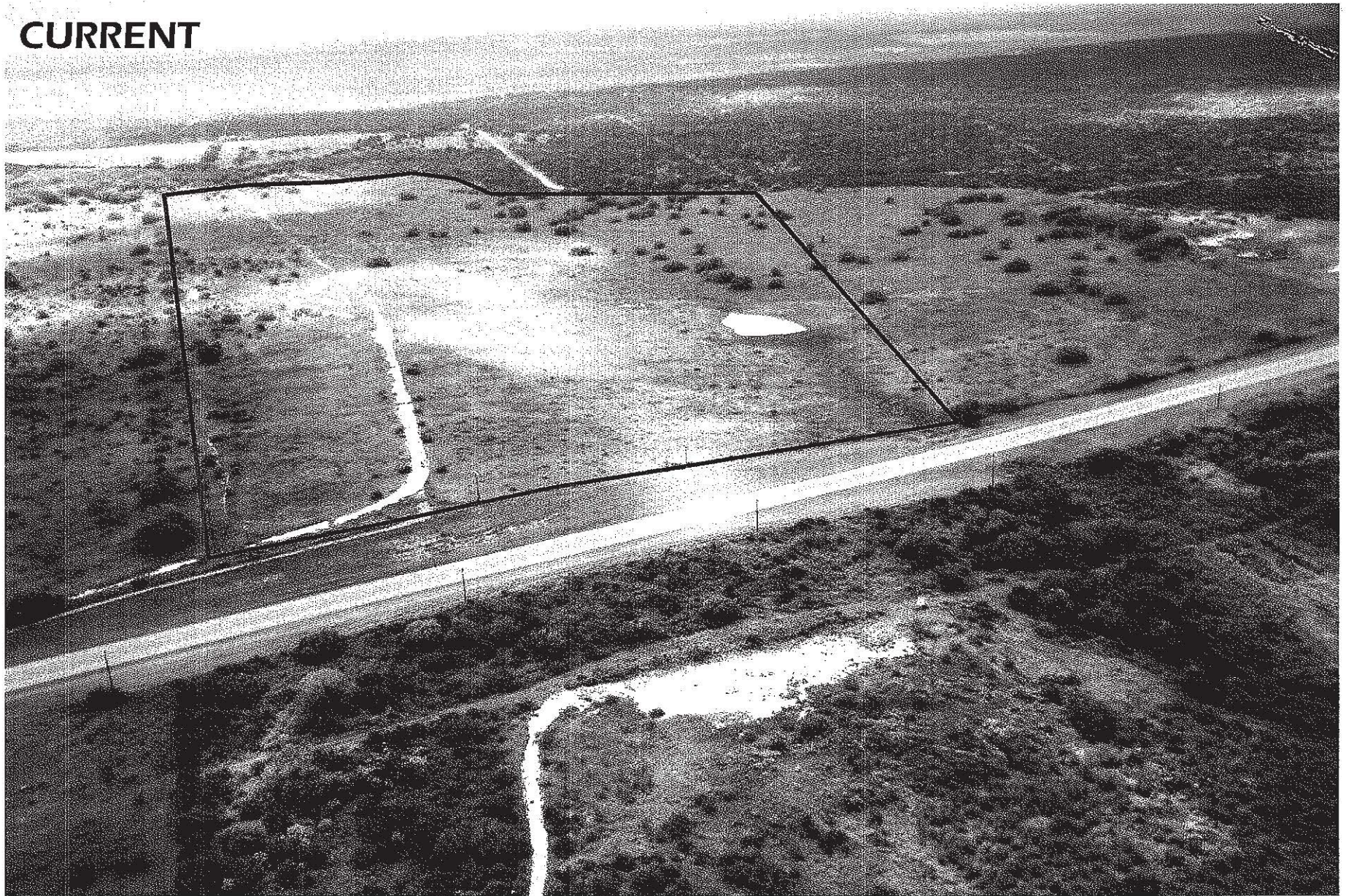
Plant Site
Wellfield

U.S. Energy Corp

US Steel, Operations 1995



CURRENT



UEC
Uranium Energy Corp

US Steel, Burns Wellfield 2010



CURRENT



BEFORE

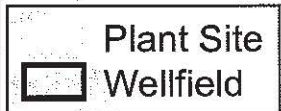
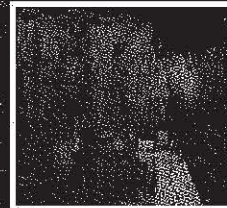


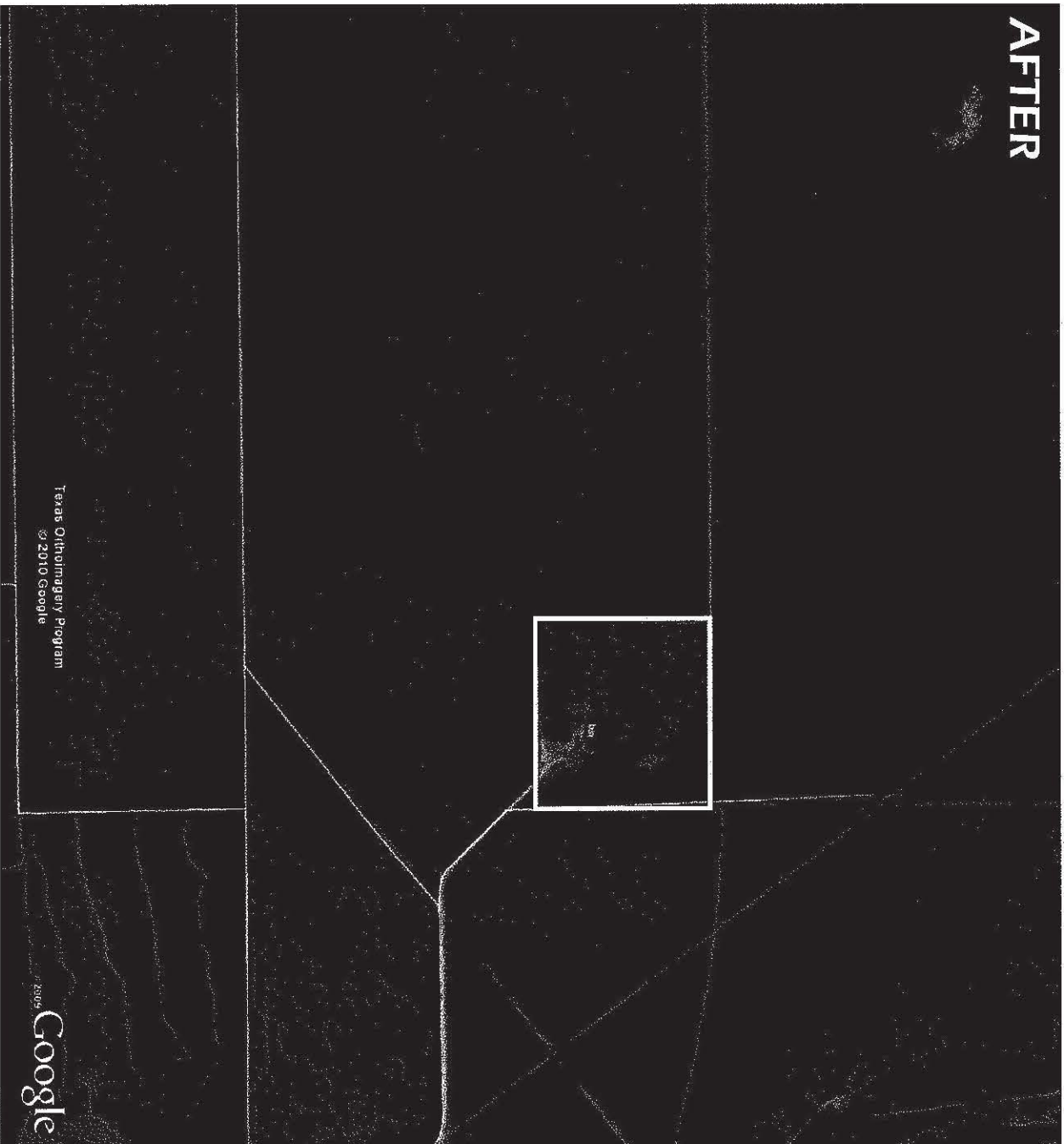
Image U.S. Geological Survey
© 2010 Google

© 2009 Google

UEC
Uranium Energy Corp

Conoco, Trevino 1995

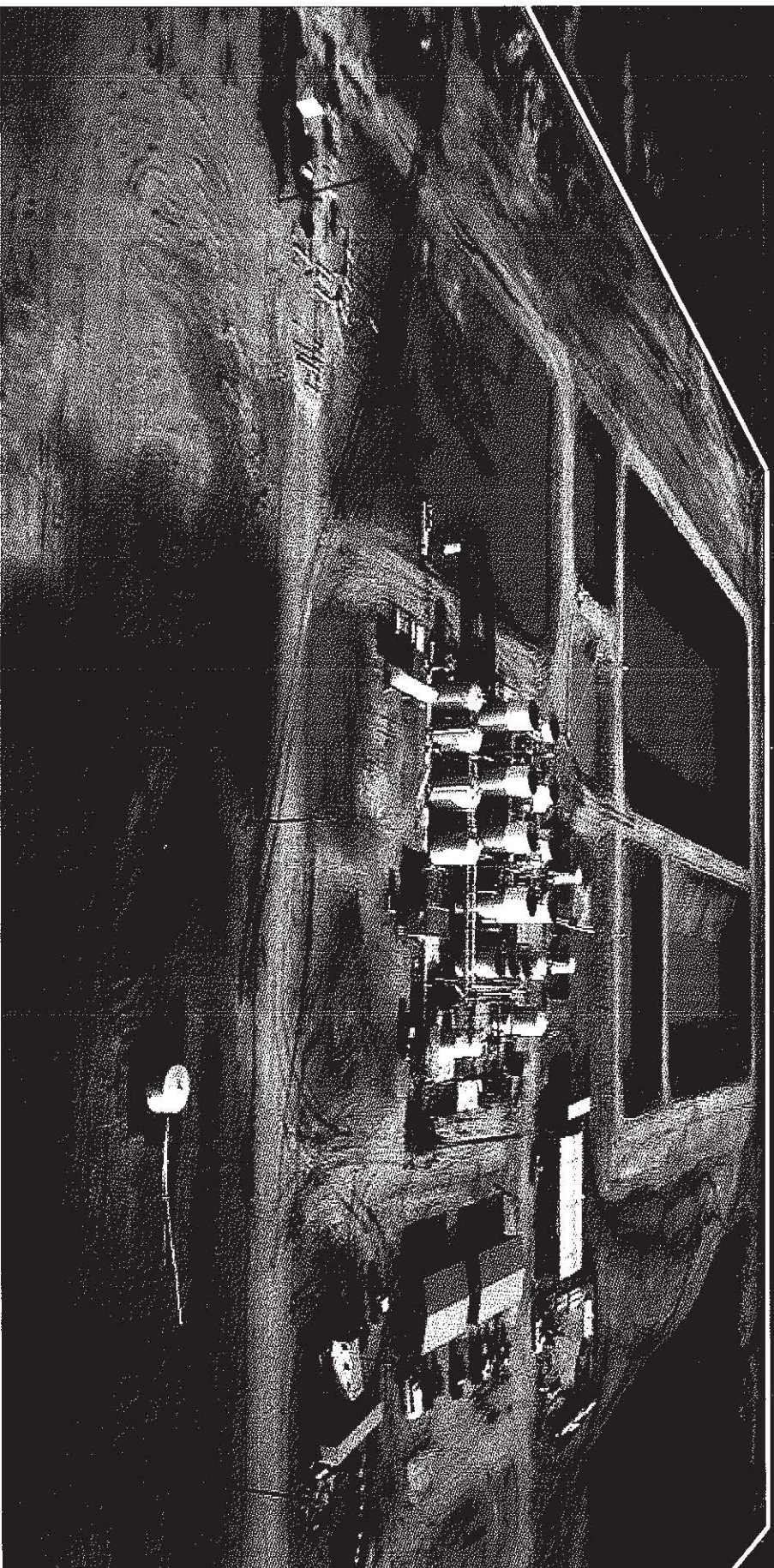
AFTER



© 2004 Google

Plant Site
Wellfield

BEFORE

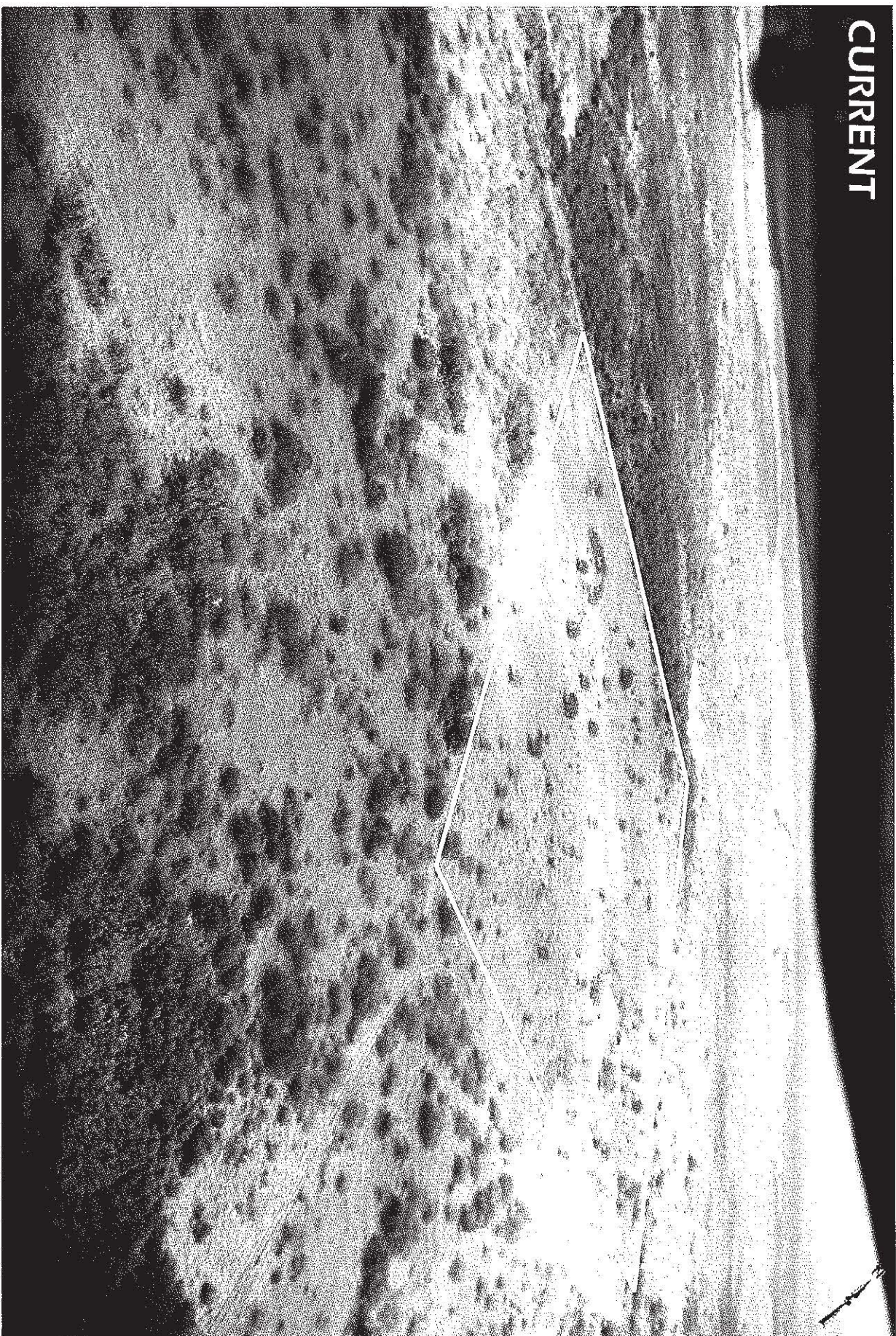


UEC
Uranium Energy Corp

Conoco, Trevino 1982

☐ Plant Site
☐ Wellfield

CURRENT



BEFORE



Imagery U.S. Geological Survey
© 2010 Google

Google

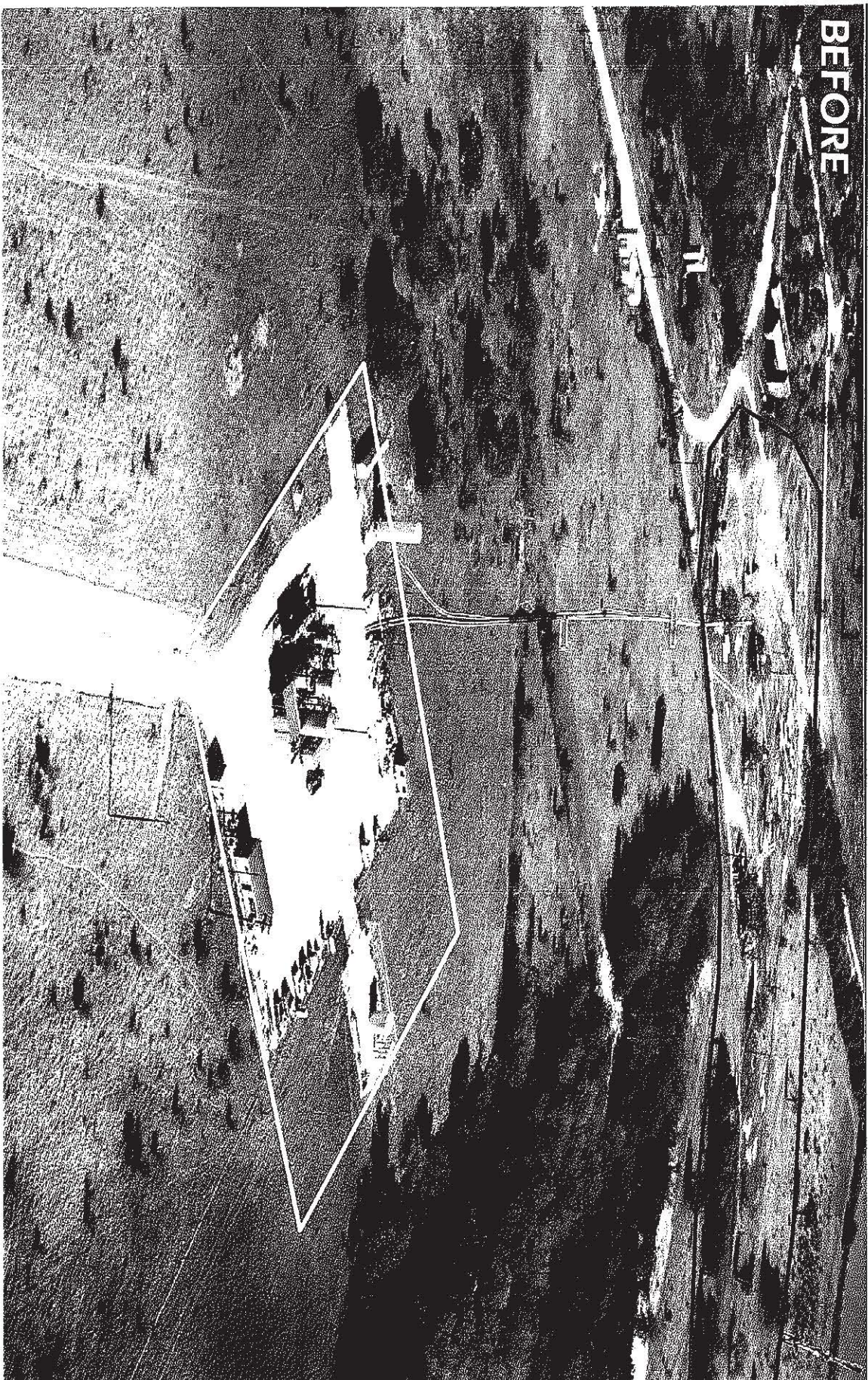


Plant Site

Wellfield



BEFORE

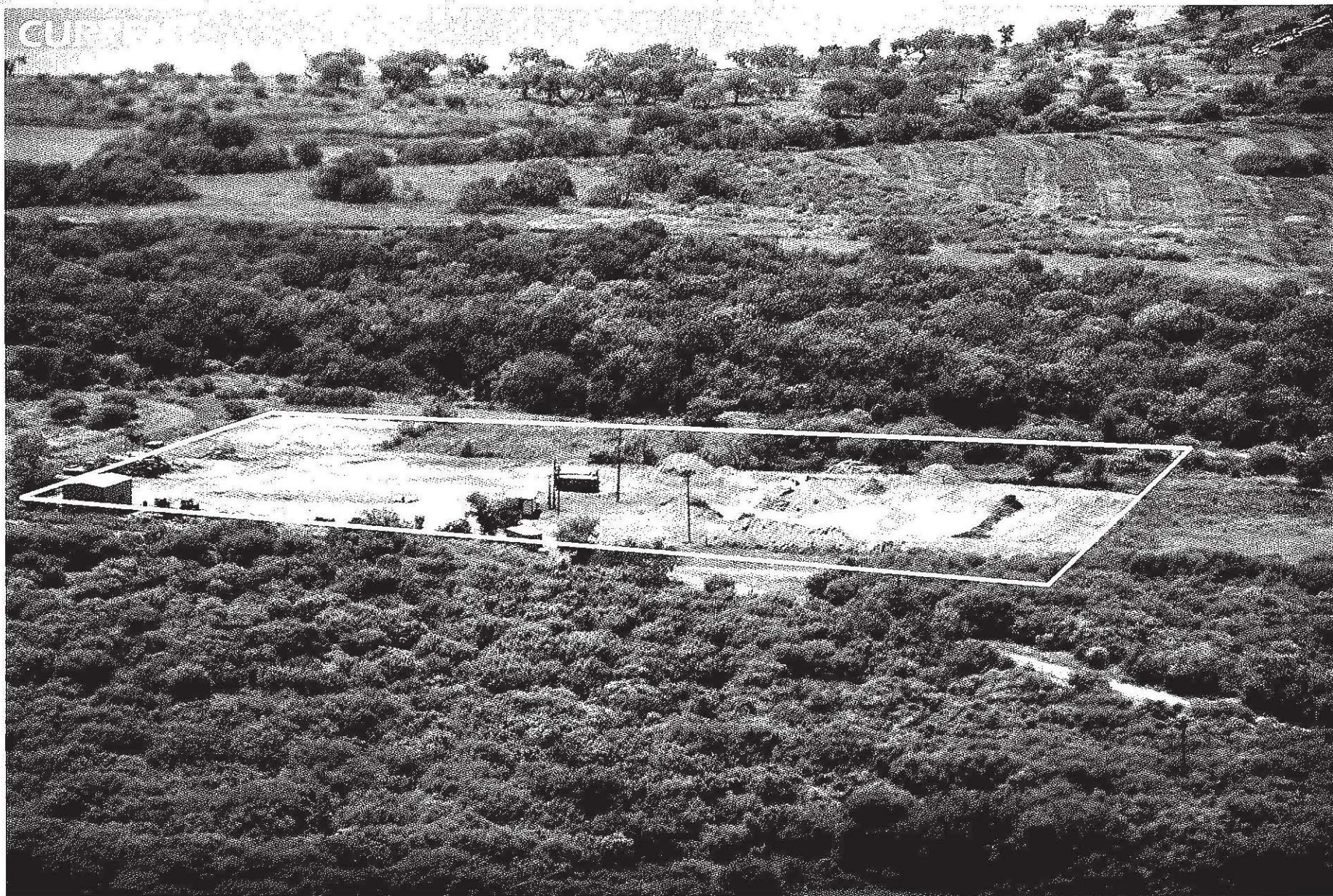


UEC
Uranium Energy Corp

Everest, Mt. Lucas Plant Satellite
& Well Field 1985

☐ Plant Site
☐ Wellfield

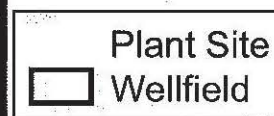
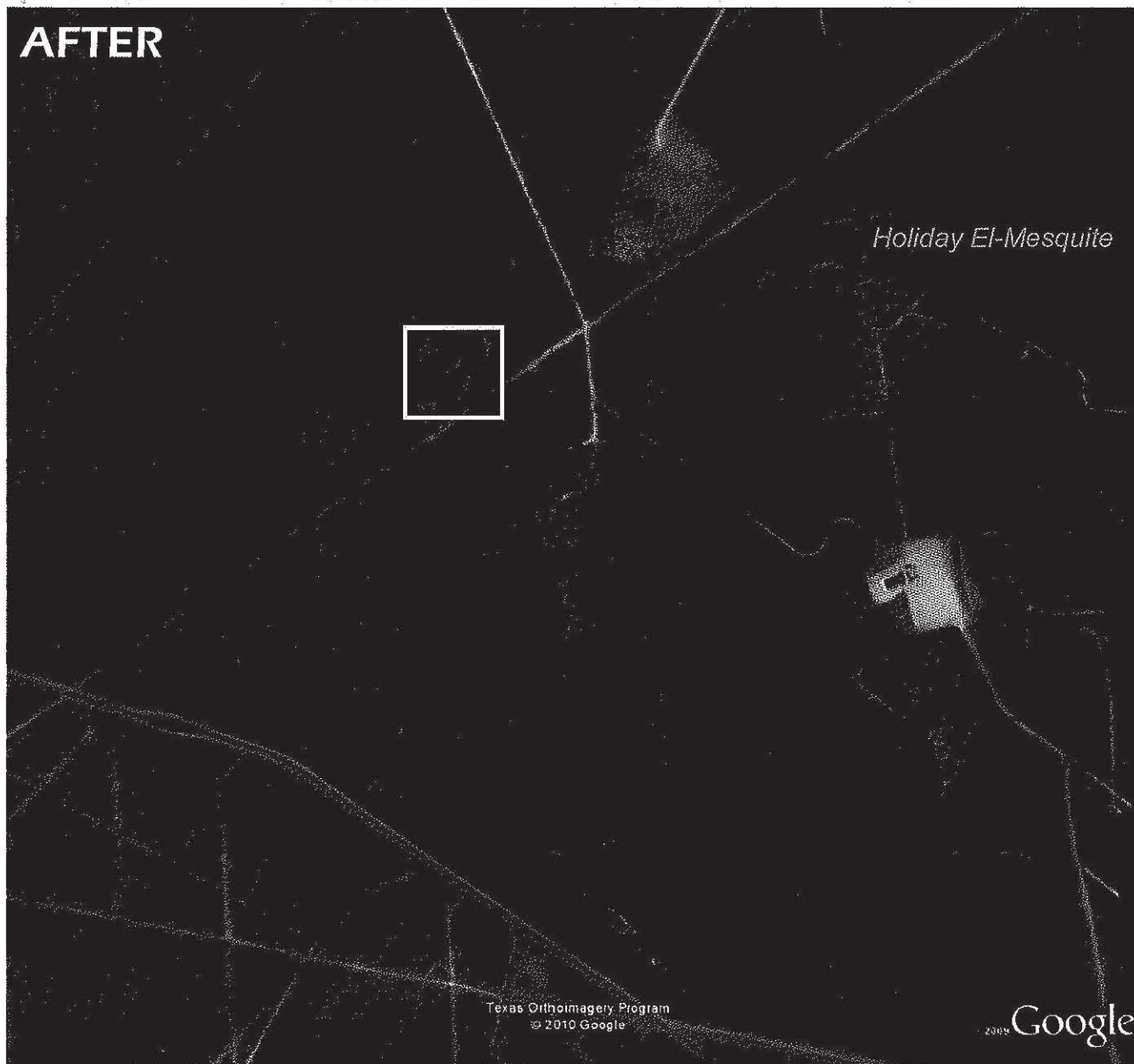
CURTIS



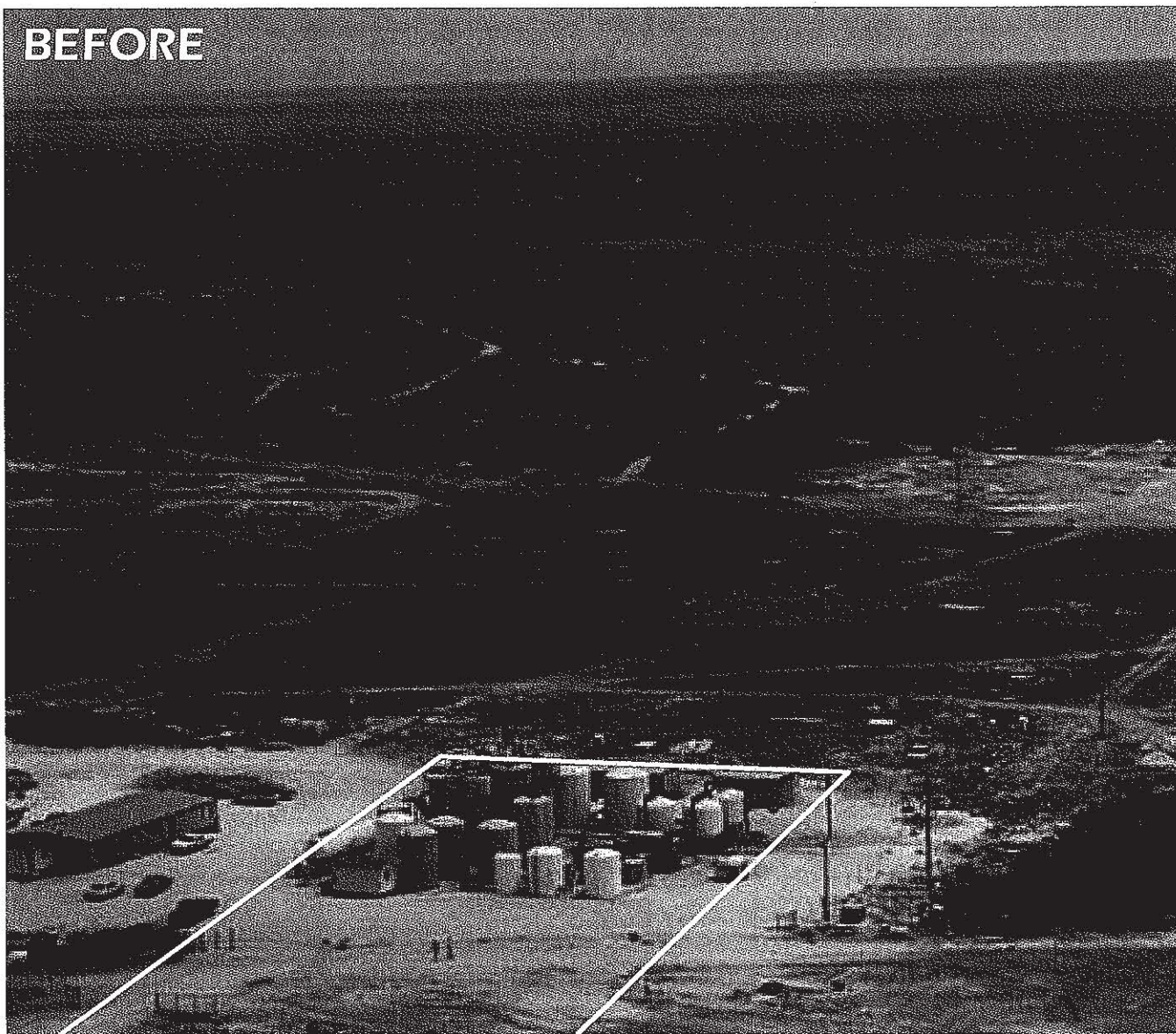
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AFTER



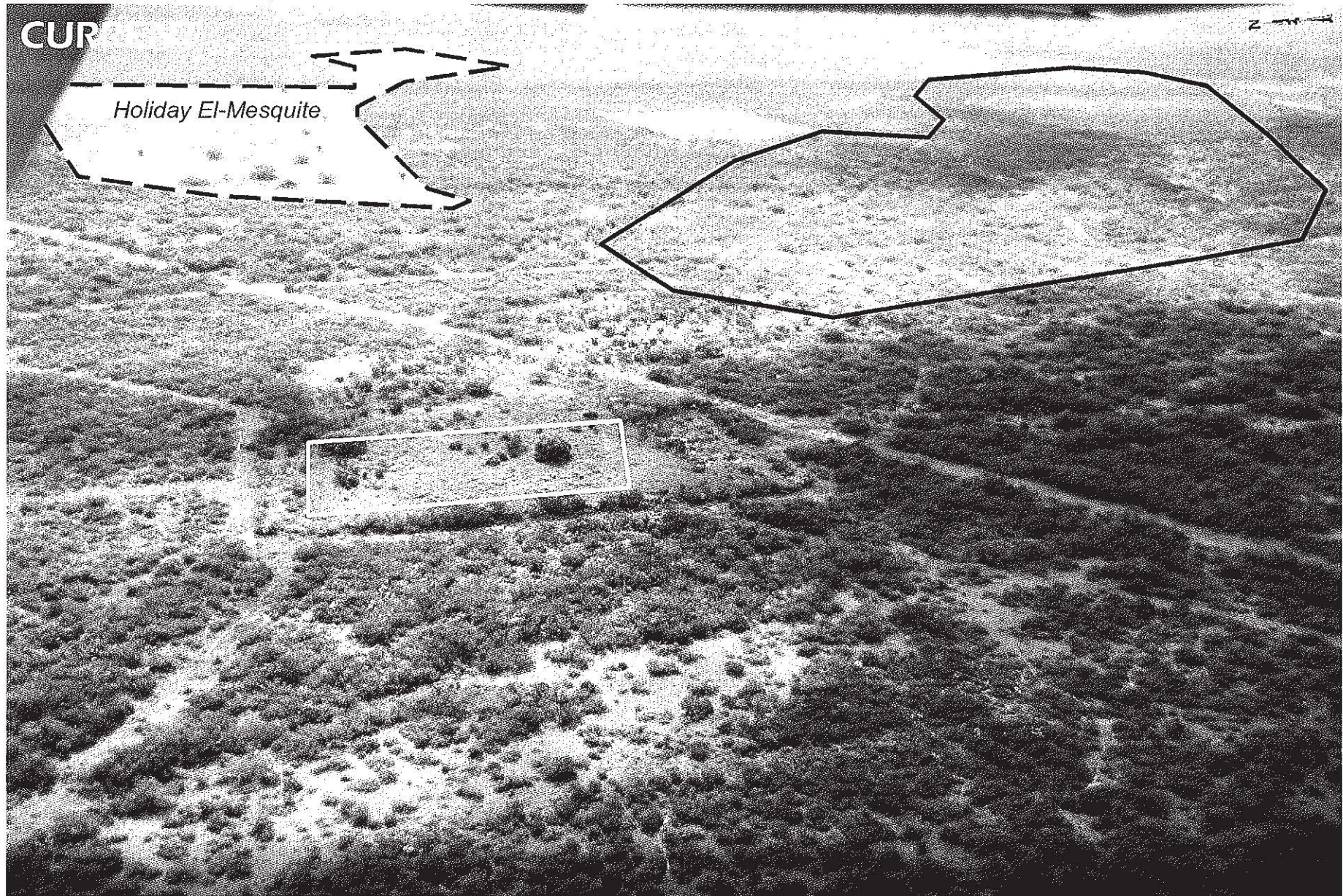
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UEC
Uranium Energy Corp

URI, Benavides 1980





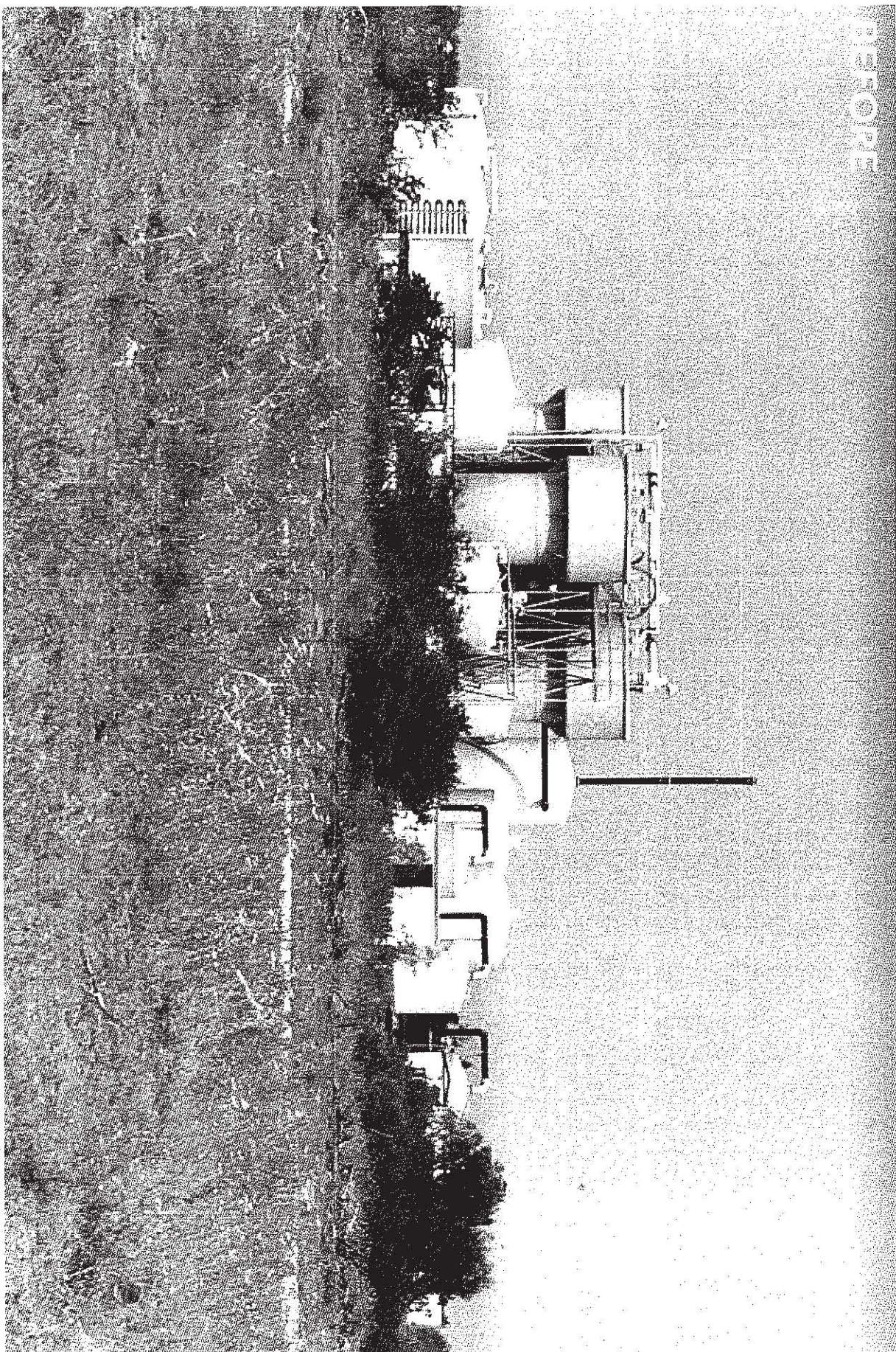


UEC
Uranium Energy Corp

Tenneco, West Cole 1995



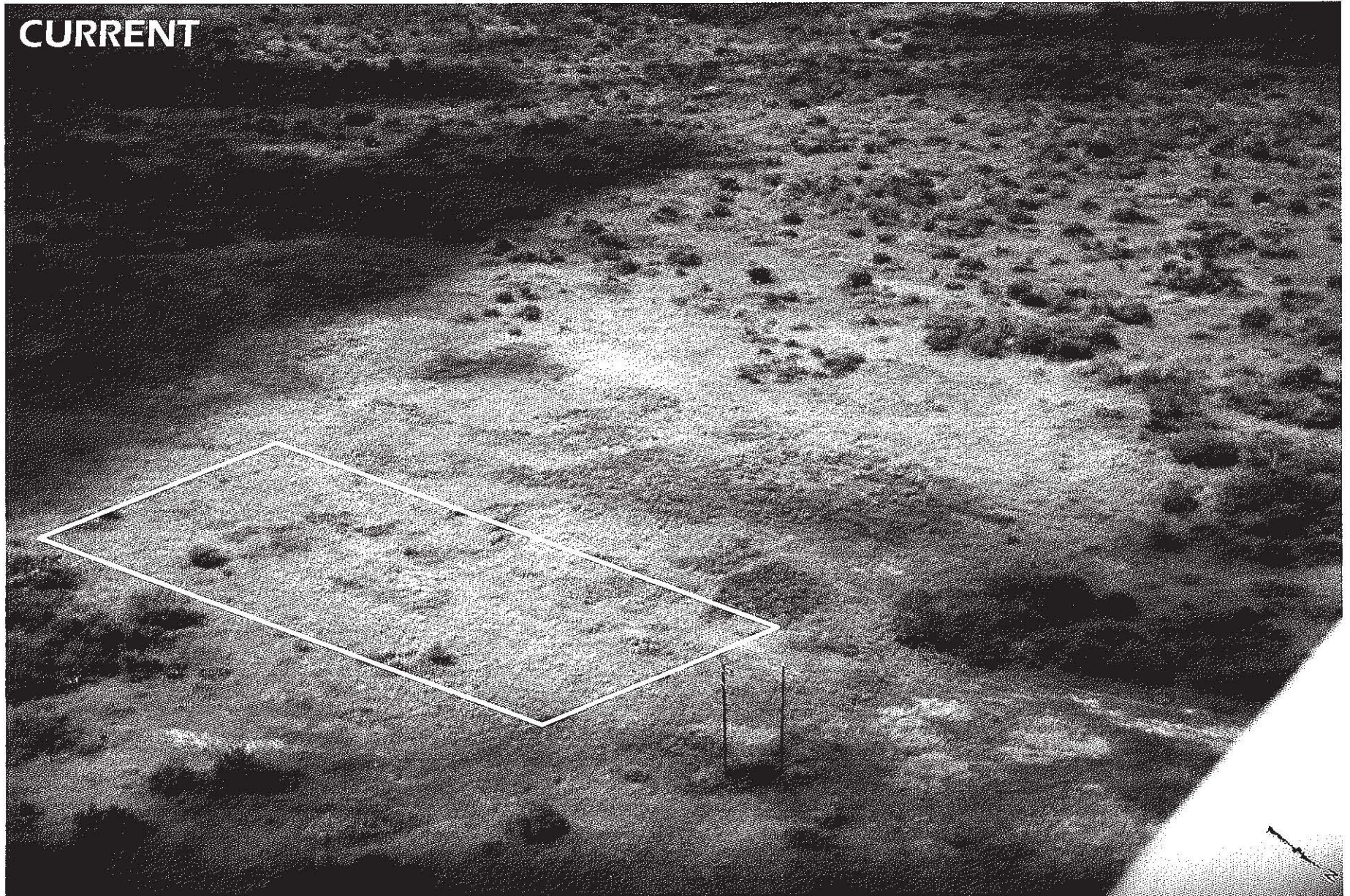
REFORMER



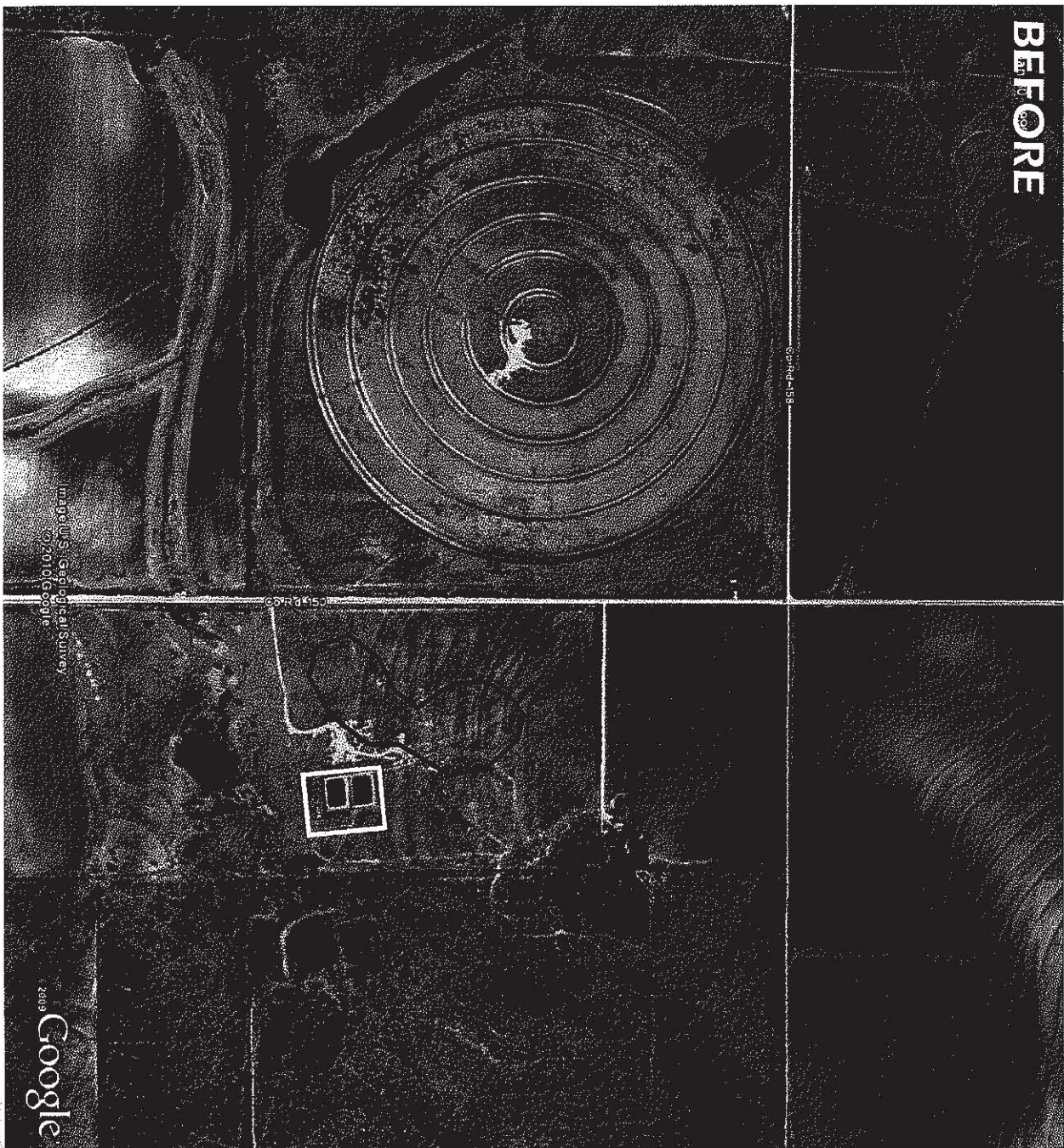
UFC
Uranium Energy Corp

Tenneco, West Cole 1981

CURRENT



BEFORE

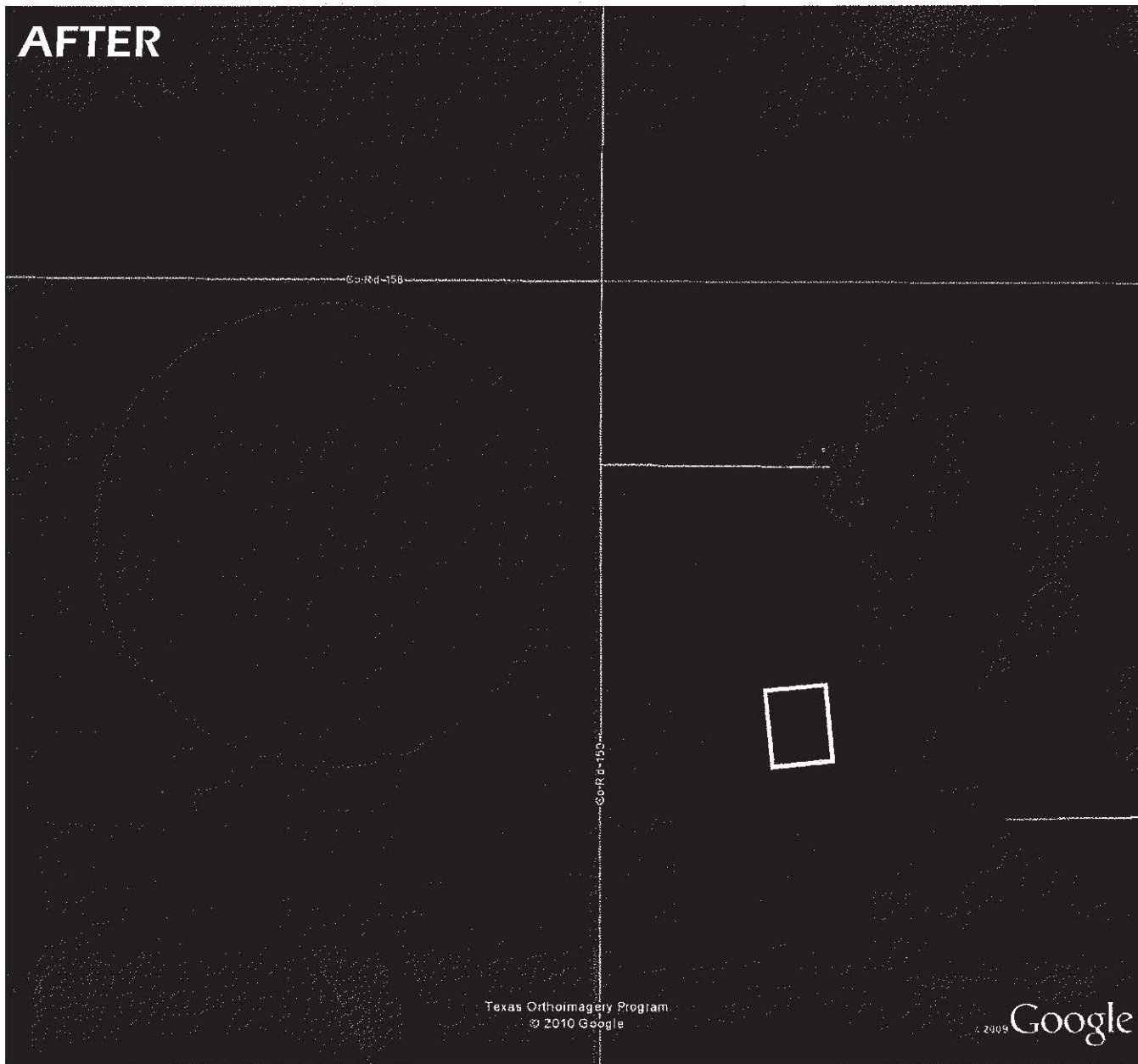


- ☐ Plant Site
- ☐ Wellfield
- ☐ Irrigation Area

UEC
Uranium Energy Corp.

IEC, Pawnee 1995

AFTER



- ☐ Plant Site
- ☐ Wellfield
- ☐ Irrigation Area

CURRENT

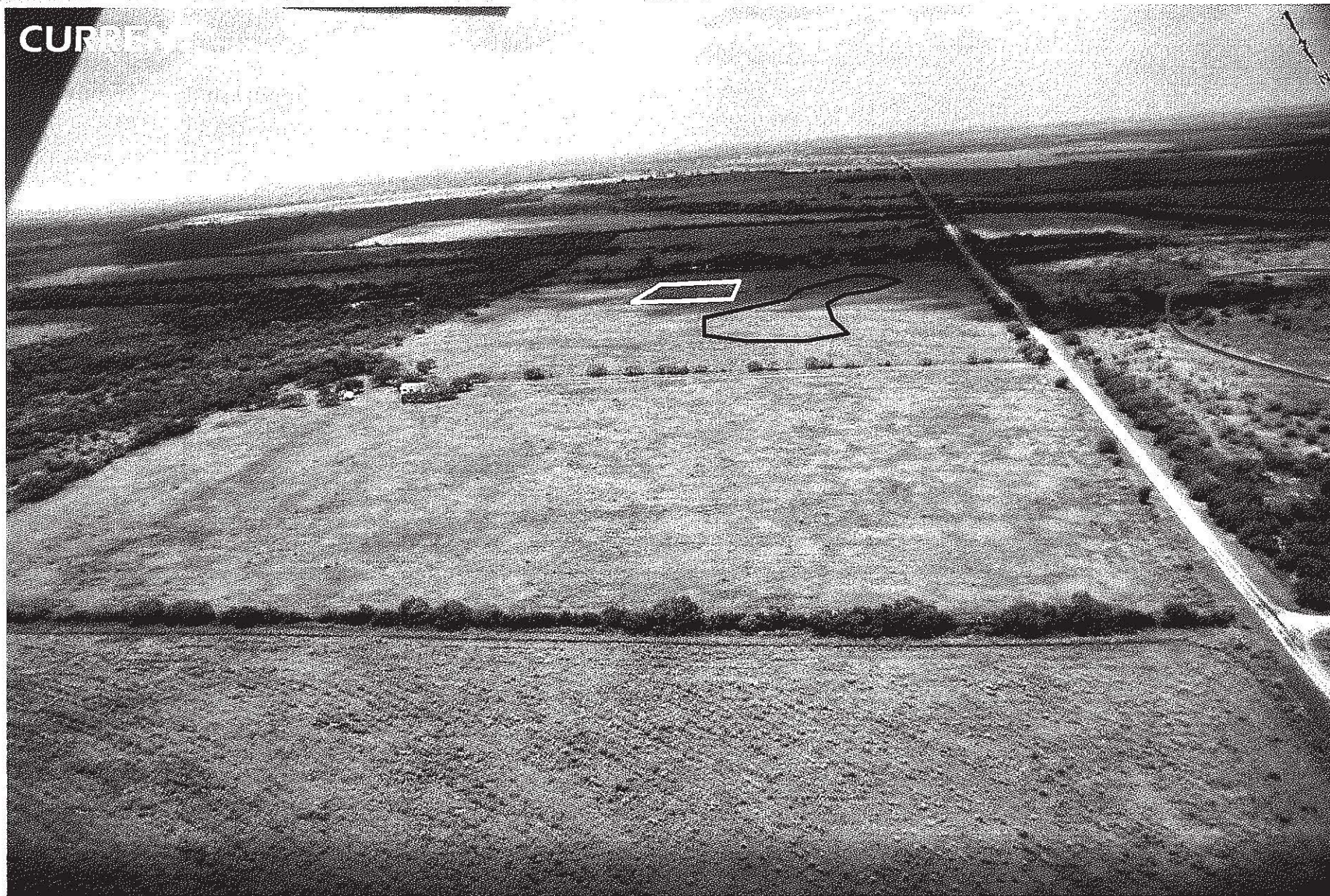


UEC
Uranium Energy Corp

IEC, Pawnee 2010

Plant Site
Wellfield
Irrigation Area

CURRENT



BEFORE



Plant Site
Wellfield

UEC
Uranium Energy Corp

URI, Bruni 1995

AFTER

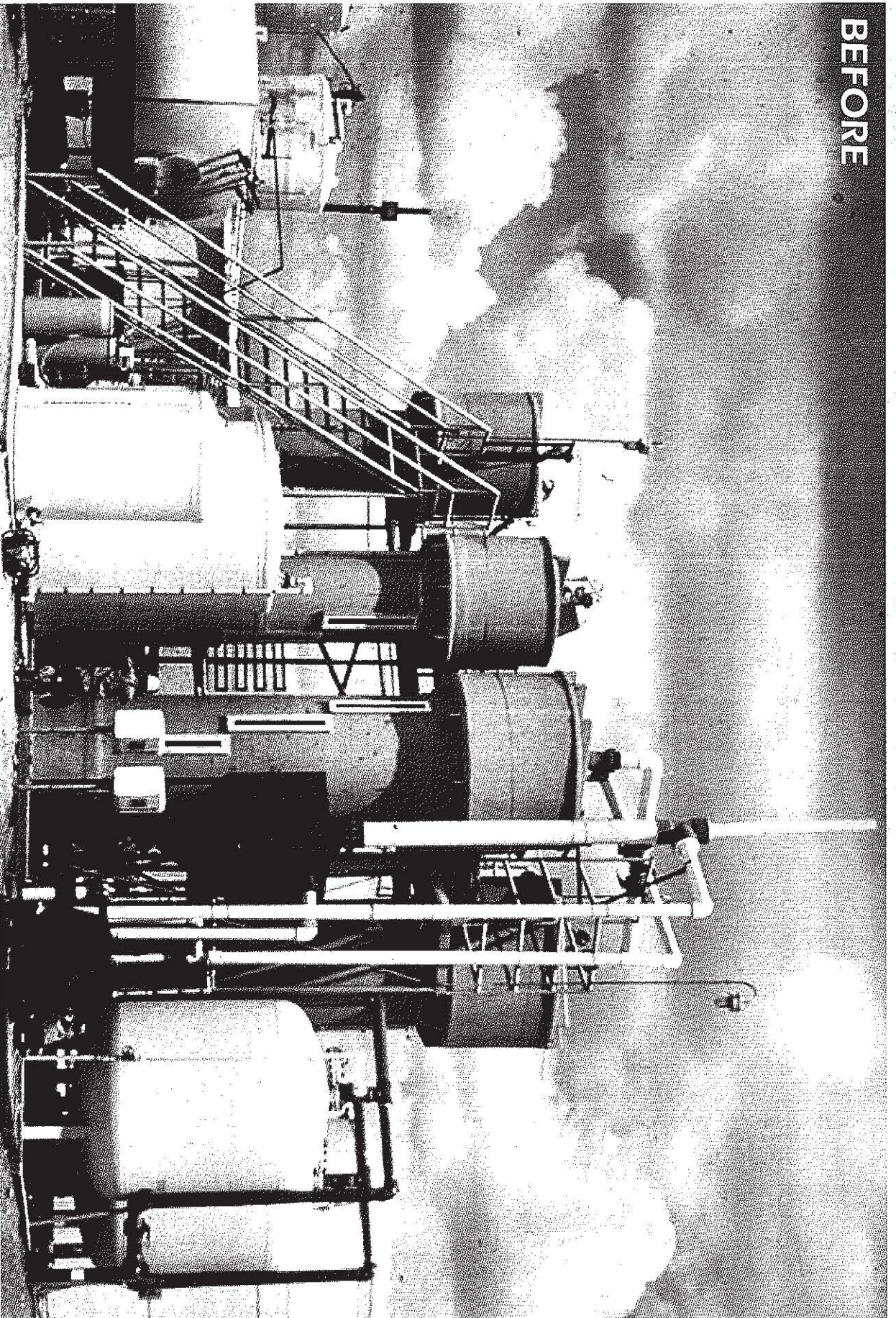


Plant Site
Wellfield

Texas Orthoimagery Program
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BEFORE



UEC
Uranium Energy Corp.

URI, Bruni 1978



